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**1. PRODUCT AND COMPANY IDENTIFICATION**

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**Product Name** Human FABP4  
**Product Number** 12633  
**Synonyms** Fatty acid binding protein 4, Adipocyte-type fatty acid binding protein 4

**Identified Uses** For Research Use Only (RUO). Not intended for use in humans or animals.  
Not intended for therapeutic or diagnostic procedures.

**Supplier** Cell Signaling Technology, Inc.  
3 Trask Lane  
Danvers, MA 01923 USA

**Phone #:** 1-978-867-2300  
**Emergency Tel#** 1-978-578-6737

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**2. HAZARDS IDENTIFICATION**

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**Emergency Overview****OSHA Hazards**

No known OSHA hazards.

**GHS Classification**

Not a dangerous substance according to GHS.

**Physical State**

Kit box contains vials of liquids.

**Potential Health Effects****Acute Toxicity**

Eyes	May cause eye irritation. May be harmful if contact with eyes.
Skin	May be harmful if absorbed through skin.
Inhalation	May be harmful if inhaled.
Ingestion	May be harmful if swallowed.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

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**Hazardous Ingredients:****Ingredients are not considered hazardous according to OSHA, GHS criteria.**

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**4. FIRST AID MEASURES**

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<b>Eye Contact</b>	Rinse immediately with plenty of water.
<b>Skin Contact</b>	Rinse immediately with soap and plenty of water.
<b>Inhalation</b>	Move to fresh air.

**Ingestion** Call Poison Control Center. Never give anything by mouth to an unconscious person.  
Rinse mouth with water.

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## 5. FIRE FIGHTING MEASURES

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**Flash Point** Not Flammable.  
**Suitable Extinguishing Media** Use dry chemical  
**Special exposure hazards** No data available  
**Special protection for fire fighters** Wear appropriate self-contained breathing apparatus and protective unit  
**Other information** No data available

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## 6. ACCIDENTAL RELEASE MEASURES

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**Personal precautions** Wear personal protective equipment  
**Environmental precautions** No data available  
**Clean up methods** Soak up with absorbent material. Keep in suitable closed containers for disposal.  
**Other information** See sections 12 and 13 for additional information.

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## 7. HANDLING AND STORAGE

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**Safe handling advice** Avoid contact with eyes and skin. Ensure adequate ventilation.  
**Storage condition** Keep container tightly closed in a cool dry location.  
**Incompatibilities** No data available  
**Specific end uses** No data available

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### Exposure Controls

Apply technical measures to comply with the occupational exposure limits.

### Engineering Controls

Emergency eyewash and safety shower. Mechanical exhaust required.

### Hygiene Measures

Do not eat, drink or smoke when handling product. Wash hands thoroughly after handling product. Wash contaminated clothing before reuse.

### Personal Protective Equipment

Respiratory Protection: In case of insufficient ventilation wear suitable respiratory equipment.  
Eye Protection: Safety glasses with side shields  
Skin and body protection: Wear suitable protective clothing, protective shoes or boots.  
Hand protection: Compatible chemical resistant gloves.

**9. PHYSICAL AND CHEMICAL PROPERTIES**
**Information on basic physical and chemical properties**

Physical State	lyophilized powder
Appearance	no data available
Odor	no data available
pH	pH 7.4
Water Solubility	no data available
Melting point/freezing point	no data available
Boiling point	no data available
Evaporation rate	no data available
Flammability	Not flammable
Flash point	no data available
Autoignition temperature	no data available
Flammability limits in air	no data available
Explosive properties	no data available
VOC content	no data available
Decomposition temperature	no data available

**10. STABILITY AND REACTIVITY**

<b>Stability</b>	Stable under normal conditions
<b>Conditions/Materials to avoid</b>	No data available
<b>Hazardous decomposition products</b>	No data available

**11. TOXICOLOGICAL INFORMATION**
**Acute Toxicity**

To the best of our knowledge, the chemical, physical and toxicological properties have not been fully investigated.

**Potential Health Effects**
**Acute Toxicity**

Eyes	May be harmful if contact with eyes. May cause eye irritation.
Skin	May be harmful if absorbed through skin.
Inhalation	May be harmful if inhaled.
Ingestion	May be harmful if swallowed.

**Chronic Effects**

Carcinogenic effects	No known significant effects or critical hazards.
Mutagenic effects	No known significant effects or critical hazards.
Teratogenic effects	No known significant effects or critical hazards.
Reproductive toxicity	No known significant effects or critical hazards.
Sensitization	Data not available

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**12. ECOLOGICAL INFORMATION**

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<b>Ecotoxicity</b>	The environmental impact of this product has not been fully investigated.
<b>Persistence and degradability</b>	Data not available
<b>Bioaccumulation</b>	Data not available
<b>Mobility</b>	Data not available

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**13. DISPOSAL CONSIDERATIONS**

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**Waste Disposal Methods:** Dispose of in accordance with all applicable environmental laws and regulations.

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**14. TRANSPORT INFORMATION**

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<b>IATA</b>	Not regulated as dangerous goods
<b>DOT</b>	Not regulated as dangerous goods
<b>MEX</b>	Not regulated as dangerous goods

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**15. REGULATORY INFORMATION**

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**OSHA Hazards**

No known OSHA hazards

**GHS Classification**

Not a dangerous substance according to GHS.

**U.S. Federal Regulations****SARA 302**

No chemicals in this material are subject to reporting requirements established by SARA Title III, Section 302

**SARA 311/312**

No SARA hazards

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals that exceed the reporting levels of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPs) under Section 112 of the Clean Air Act Amendments of 1990.

**U.S. State Regulations**

Massachusetts Right-to-Know Components: -  
New Jersey Right-to-Know Components: -  
Pennsylvania Right-to-Know Components: -

**California Proposition 65**

This product does not contain chemicals known to the State of California to cause birth defects or other reproductive harm.

**WHMIS Hazard Class**

Not controlled.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

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**16. OTHER INFORMATION**

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**Revision date**      2013-05-01

**Disclaimer**

The information provided on this material safety data sheet is to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Material Safety Data Sheet**