

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Caspase 3 Activity Assay Kit
Product Number 5723
Identified Uses For Research Use Only (RUO). Not intended for use in humans or animals.
 Not intended for therapeutic or diagnostic procedures.

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

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

2. HAZARDS IDENTIFICATION
Emergency Overview
OSHA Hazards

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).



Warning!

GHS Classification

Skin irritation (Category 2)
 Eye irritation (Category 2A)
 Specific target organ toxicity –single exposure (Category 3)

Physical State

Kit box contains vials of liquids and solids.

3. COMPOSITION/INFORMATION ON INGREDIENTS
Hazardous Ingredients

Please see the individual material safety data sheets which can be found on the CST website www.cellsignal.com/support/msds.html for hazard communication information specific to individual kit components contained in this product.

Component SKU	Kit Component Name
811734S	AC-DEVD-AMC
11735S	AMC (7-amino-4-methylcoumarin)
7081S	Pathscan ELISA Lysis Buffer (1X)
11736S	Caspase Assay Buffer (2X)
7016S	1M DTT

4. FIRST AID MEASURES

Eye Contact Rinse immediately with plenty of water. Get medical attention.
Skin Contact Rinse immediately with soap and plenty of water. Get medical attention.
Inhalation Move to fresh air. Get medical attention.
Ingestion Call Poison Control Center immediately. Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention.

Notes to physician Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flash Point See Section 9. Physical and Chemical Properties
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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Do not touch or walk through spilled material. Wear personal protective equipment
Environmental precautions	Do not let product enter drains.
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.

7. HANDLING AND STORAGE

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION
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	small vials of liquids and solids
Appearance	no data available
Odor	no data available
pH	no data available
Water Solubility	no data available
Melting point/freezing point	no data available
Boiling point	no data available
Evaporation rate	no data available
Flammability	no data available
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

Stability	Stable under normal conditions
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Conditions/Materials to avoid No data available
Hazardous decomposition products 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	Causes eye irritation.
Skin	May be harmful if absorbed through skin. Causes skin irritation
Inhalation	May be harmful if inhaled. Causes respiratory tract irritation
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	May cause allergy or asthma symptoms or breathing difficulties if inhaled.

12. ECOLOGICAL INFORMATION

Ecotoxicity The environmental impact of this product has not been fully investigated.

Persistence and degradability Not available

Bioaccumulation Not available

Mobility Not available

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

IATA Not regulated as dangerous goods

DOT Not regulated as dangerous goods

MEX Not regulated as dangerous goods

15. REGULATORY INFORMATION

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Hazard Statements

H315 Causes Skin Irritation

H319 Causes serious eye irritation
H335 May cause respiratory irritation

Precautionary Statement

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ eye protection/ face protection
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+ P338IF IN EYES: Rinse cautiously with water for several minute
P312 Call a POISON CENTER or doctor/ physician if you feel unwell.
P332+ P313 If skin irritation occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

International Inventories

TSCA (8a) PAIR -
EINECS/ELINCS -
ENCS -
IECSC -
KECL -
PICCS -
AICS -
NZIoC -

U.S. Federal Regulations

SARA 302/304/311/312 hazardous chemicals: See individual kit component MSDS documents.

SARA 311/312 MSDS Distribution: See individual kit component MSDS documents.

U.S. State Regulations See individual kit component MSDS documents.

Massachusetts Right-to-Know	No components are listed.	
Pennsylvania Right-to-Know	7-Amino-4-methylcoumarin	CAS# 26093-31-2
New Jersey Right-to-Know	7-Amino-4-methylcoumarin	CAS# 26093-31-2

California Prop 65 Components

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

Canada

This product as a whole is not controlled under WHMIS.

Kit components:	7-Amino-4-methylcoumarin	CAS# 26093-31-2
	D2B	Toxic Material Causing Other Toxic Effects
		Moderate skin irritant, Moderate respiratory irritant, Moderate eye irritant

16. OTHER INFORMATION

Revision date 2012-08-22

Revision Note***Indicates updated section

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