40 Store at 4°C

#874N

Protein G Magnetic Beads

Cell Signaling

Orders 877-616-CELL (2355)

orders@cellsignal.com

Support 877-678-TECH (8324)

info@cellsignal.com

Web www.cellsignal.com

1 ml (25 immunoprecipitations)

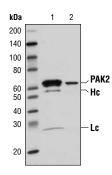
200 μl (5 immunoprecipitations)

rev. 03/07/16

For Research Use Only. Not For Use In Diagnostic Procedures.

Description: Protein G Magnetic Beads are an affinity matrix for the small-scale isolation of immunocomplexes from immunoprecipitations (IP assays). Protein G is covalently coupled to a nonporous paramagnetic particle. Protein G exhibits high affinity for subclasses of IgG from many species (including human, rabbit, mouse, rat, and sheep) and can be used for immunoprecipitation assays with these antibodies. Beads can be separated from solution using our 6-Tube Magnetic Separation Rack #7017, which concentrates the beads to the side of the tube instead of the bottom. This eliminates centrifugation steps, minimizes sample loss, increases washing efficiency, and saves time.

Directions for Use: Use 40 μ L of bead slurry per 200 μ L lysate. Place tubes containing the magnetic beads in a magnetic separation rack and wait 10–15 seconds for the beads to concentrate near the magnet and for the solution to clear. To resuspend, vortex gently.



Immunoprecipitation of PAK2 from COS-7 cells using PAK2 (3B5) Mouse mAb #4825 and Protein G Magnetic Beads. Western blot analysis was performed on the IP pellet (lane 1) and supernatant (lane 2) using PAK2 (3B5) Mouse mAb #4825.

Storage: Supplied in a 1% Benzyl alcohol solution. Store at $4^{\circ}C$.

Please refer to our **Immunoprecipitation Protocol Utilizing Magnetic Separation,** for complete protocol details.

For application specific protocols please see the web page for this product at www.cellsignal.com.

Material Safety Data Sheet (MSDS) for **Protein G Magnetic Beads**



I. Identification: Product name: Protein G Magnetic Beads Product Catalog: 8740

rruuet Catalog: 8:40
Substance/Preparation: Preparation
A suspension of profein G covalently bound to proprietary amorphous silica beads in aqueous benzyl acohol.

identified Use: This product is for *in vivo* laboratory Research Use Only and is not intended for use in humans. It is not intended for Diagnostic or therapeutic

not intenues or use a use.

Supplier: Cell Signaling Technology

3 Trask Lane
Danwers, MA 01922 USA
978-867-2200 TEL
978-867-2200 TEL
978-867-2400 FAX

II. Composition/Information on Ingredients:

Component: CAS# % Volume Symbol Risk Phrase Benzyl alcohol 100-51-6 0.3 – 1.3% Xn (Harmful) R 20/22

III. Hazard Identification:

BMERGENCY OVERVIEW

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BMERGENCY OVERVIEW

III. The product is not classified according to Directive 1999/45/EC.

Appearance: Thorse suspension.

Possible routes of exposure:

PySSikin Contact. May cause irritation on yes, skin.

Ingestion: May cause gastrointesinal tract rivitation.

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Risk Phrases:

None

Safety Phrases:

S26 In case of contact with eyes rinse with plenty of water and seek medical advice.

IV. First Aid Measures:

IV. First Aid Measures:
Inhalation: If inhaled, remore to fresh air. If breathing is difficult, get medical attention, ingestion: If swallowed, with not mouth with water provided preson is conscious. Set medical attention on Information in most counter information. Set medical attention or all Prisons Control Center for most courset information.

Safe represent: In case of contact, timedately wash skin with scop and water for at least 15 minutes. Remove contaminated bothing, whosh clothing bother contaminated with respective properties. The contamination of the properties of the pr

V. Fire Fighting Measures:

Flash Point: Not flammable.

Audioglinition Temperature: Not considered to be a fire hazard.

Explosion: Not applicable.

Fire extinguishing media: Water spray, dry chemical, alcohol foam, or carbon dioxide.

Fireflyfiling: Wear protective clothing and self-contained breathing apparatus to prevent contact with skin and eyes.

VI. Accidental Release Measures:

quipment. Avoid contact with spilled material. Avoid ate ventilation.

VII. Handling And Storage:

Store in tightly closed container at 4°C.
Keep and use in a well ventilated area. Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling.

VIII. Exposure Controls/Personal

Ventilation System: A system of local and/or general exhaust is recommended.

Skin Protection: Wear compatible chemical resistant gloves and protective clothing, such as a bat coat.

Figure protection: Wear controllable chemical resistant gloves and protective clothing.

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IX. Physical And Chemical Properties:

Brown suspension Very faint aromatic Benzyl alcohol: 5.5 ppm 8.5 1 to -3°C 101 – 103°C Appearance: Odor: Odor threshold: pH: Melt Point:

Boiling Point: Flash Point:

None. Not considered to be a fire hazard.

Not considered to be an explosion hazard. Explosive properties

X. Stability and Reactivity:

Stability: Stable under normal conditions.

Hazardous Podymerization: Will not cocur.

Hazardous Decomposition: Sitils aerosals, carbon monoxide and carbon monoxide.

Conditions to avoid: Elevated temperature, heating to dryness. Avoid strong hydrofluoric acid solutions.

XI. Toxicological Information: Caution: Preparation not yet throughly investigated. Benzyl Alcohoi: Result: Species: LD50 Oral Rat LD50 invlation Rat LD50 Shadon Rat Dose: 1230 mg/kg >500 mg/m³ 2000 mg/kg

Draize test, rabbit, skin: 100 mg/24hr Moderate Draize test, rabbit, skin: 16 mg/48hr Mild Benzyl alcohol has been investigated as a mutagen.

$\boldsymbol{XII.\ Ecological\ Information:}\ {\it Aquatic\ Ecotoxicity\ (Calculated\ for\ a\ 1\%)}$

by weight auenous bennyl alcohol solution): LSSG affacted Minov. 46 g/L LSSG affacted

XIII. Disposal Considerations: Dispose of in accordance with federal,

XIV. Transport Information: ICAO/IATA: Not regulated.

ICAO/IATA: Not regulated DOT: Not regulated. IMDG (sea): Not regulate ADR (road): Not regulate RID (rail): Not regulated.

RID (rail): Not regulated.

XV. Regulatory Information:

OSHA Regulatory Status: This material is not considered hazardous by the OSHA Hazard Communication Sandard (29 CFR 1910 1200)

USF Rederal Regulations:

TSCA 8b. All components listed or exempted.

TSCA 8b. All components listed or exempted.

SARA 30/20/HACT librardous Chemicalis SENZYL ALCOHOL

Clean Water At (CWA). No products were found.

Clean Art Act 10 modulats were found.

State Regulations: This product does not contain any substances regulated by State Right to Know regulations.

EU Regulations:

None None S26 In case of contact with eyes rinse with plenty of water and seek medical advice.

and seek medical advice.

Spe protection: Wear protective safety glasses or chemical safety goggles. Maintain eye
wash fountain and quick-drench facilities in work area.

International:

International:

Canada (WHMIS): Nor classified.

Apan (Poisonous and Deleterious Substances Control Law): Not listed.

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Material Safety Data Sheet (MSDS) for **Protein G Magnetic Beads**



XVI. Other Information:

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This compound is add only for in vitrol aboratory research use only it is not for use in humans. It is not intended for use as diagnostic or clinical therapeutic. To the best of our knowledge, this document is accurate. It is intended to serve as quide for safe use of this product in a bitoratory setting by experienced personnel. The burden of safe use of this material rests entirely with the use. Cell Signating Technology, inc., 2 sall not be held islable for any damage resulting from the handling of or from contact with the above product.

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