**UBE2G1 (UBC7) Protein**

Recombinant full-length protein expressed in E. coli cells

**Catalog # U221-30H**

**Lot # F530-1**

**Product Description**

Recombinant full-length human UBE2G1 (UBC7) was expressed in E. coli cells using an N-terminal His tag. The gene accession number is **NM_003342**.

**Gene Aliases**

UBE7; E217K; UBE2G

**Formulation**

Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.

**Storage and Stability**

Store product at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

**Scientific Background**

UBE2G1 (UBC7) or ubiquitin-conjugating enzyme E2G 1 is a member of the E2 ubiquitin-conjugating enzyme family and catalyzes the covalent attachment of ubiquitin to other proteins which are involved in degradation of muscle-specific proteins. UBC7 is highly expressed in skeletal muscle (1). UBC7 is involved in the selective ubiquitylation of different substrates by the same E3 complex (2).

**References**


**Purity**

The purity of UBE2G1 (UBC7) was determined to be >95% by densitometry. Approx. MW 21kDa.
MATERIAL SAFETY DATA SHEET

Article 1 - Product Identification and Use

Product Name: UBE2G1 (UBC7) Protein  Catalog # U221-30H
This product is sold only for research use by qualified laboratory personnel, and is not to be used as a drug, medical device, food additive, cosmetic, nor household chemical. It is not to be used in diagnostic, therapeutic, consumer, agricultural, nor pesticidal applications.

Manufacturer’s Name: SignalChem Pharmaceuticals Inc.
Street Address: 550-5600 Parkwood Way
City, Prov. Postal Code: Richmond, BC, V6V 2M2
Fax: 604-232-4601
EMERGENCY PHONE: 604-232-4600

Article 2 - Hazardous Ingredients
NOT AVAILABLE. We are not aware of any hazards associated with this product or its ingredients, but the chemical, physical, and toxicological properties of this product have not been investigated thoroughly. Observe normal laboratory precautions.

Article 3 - Physical Data
This product consists of purified protein in sodium phosphate buffer shipped on dry ice. The physical properties of this product have not been investigated thoroughly.

Article 4 - Fire and Explosion Hazard
NOT APPLICABLE

Article 5 - Reactivity Data
NOT APPLICABLE

Article 6 – Toxicologically Data
May be harmful by inhalation, ingestion, or skin absorption. The toxicological properties of this product have not been investigated thoroughly. Exercise due caution.

Article 7 - Preventative Measures
Wear chemical safety goggles and compatible chemical-resistant gloves. Avoid inhalation, contact with eyes, skin or clothing.

*****MULTIPLE COMPONENT SPILL OR LEAK PROCEDURES*****

• Wear protective equipment.
• Absorb on sand or vermiculite and place in closed containers for disposal.
• Observe all federal, state and local environmental regulations.

Article 8 - First Aid Measures

• If swallowed, wash out mouth with water, provided person is conscious. Call a physician.
• In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If a rash or other irritation develops, call a physician.
• If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
• In case of eye contact, flush with copious amounts of water for at least 15 minutes while separating the eyelids with fingers. Call a physician.

Article 9 – Preparation

Prepared by: Jun Yan  Phone#: 1-866-954-6273

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. SignalChem shall not be held liable for any damage resulting from handling or from contact with the above product. See the Technical Specification, Packing Slip, Invoice, and Product Catalogue for additional terms and conditions of sale.

To place your order, please contact us by phone 1-(604)-232-4600, fax 1-604-232-4601 or by email: orders@signalchem.com
www.signalchem.com

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