

UNC13A Protein, Human, Recombinant (His)

General Information

Synonyms: KIAA1032;UNC13A;Munc13-1;Protein unc-13 homolog A

Protein Construction: 1-340 aa

Species: Human

Expression Host: E. coli

Accession: Q9UPW8

Molecular Weight: 43.2 kDa (predicted)

MSLLCVGVKKAKFDGAQEKFNITYVTLKVQNVKSTTIAVRGSQPSWEQDFMFEINRLDLGLTVEVWNKGLIWD
TMVGTWVIPLRRTIRQSNEEGPGEWLTLDLSQVIMADSEICGTDKPTFHRILLDRFELPLDIPEEEARYWAKKLEQ
LNAMRDQDEYSFQDEQDKPLVPVSNQCCNWNFYFGWGEQHNDPDSAVDDRSDYRSETSNSIPPPYYTT
SQPNASVHQYSVRPPPLGSRESYSDSMHSYEEFSEPQALSPTGSSRYASSGELSQGSSQLSEDFDPDEHSLQ
GSDMEDERDRDSYHSSVSYHKDSPRWDQDEEELEEDLEDFLEEEELPED

AA Sequence:

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 85% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months.

Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Plays a role in vesicle maturation during exocytosis as a target of the diacylglycerol second messenger pathway. Involved in neurotransmitter release by acting in synaptic vesicle priming prior to vesicle fusion and participates in

A DRUG SCREENING EXPERT

the activity-dependent refilling of readily releasable vesicle pool (RRP). Essential for synaptic vesicle maturation in most excitatory/glutamatergic but not inhibitory/GABA-mediated synapses. Facilitates neuronal dense core vesicles fusion as well as controls the location and efficiency of their synaptic release. Also involved in secretory granule priming in insulin secretion. Plays a role in dendrite formation by melanocytes.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481