

Recombinant Mouse UBS3A Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52052

Size: 10ug, 100ug

Protein Name: Ubiquitin-associated and SH3 domain-containing protein A (Suppressor of T-cell receptor signaling 2) (STS-2) (T-cell ubiquitin ligand 1) (TULA-1)

Synonym: Ubash3a, Sts2

UniProt ID: Q3V3E1

UniProt Link: www.uniprot.org/uniprotkb/Q3V3E1/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 624 AA

Molecular Weight: 70 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MAAGETQLYAKVSNKLKGRSTPSLLDPLLAMGFPTHTALKALAATGRKTAEEAADWLHGHHCNDPSL
DDPIPQEYALFLCPTGPLLEKLQEFWRESRRQCAKNRAHEVFPHVTLCDFFTCEDQKVECLYEALRR
AGDRILGSFPTLVPLVLHSSISYLGFFINDSPADAIREFAMAFATEAAVLADCTIKPCTKQLHLTLAHKF
YPHHQRTLEQLAKAIQPSHSCQWTAALYSRDMRFVHYQTLKALFQYKPQNADELMLSAGDYIFVDP
TQQEEASEGWAIGISHRTGCRGFLPENYTERANEADTWVKHRTYTFNLAMDLSNRKDFEASCRGN
GEPHTPSMSKSVSSIQALQATISRRGILVVRHGERVDQVFGKSWLQQCTTADGKYRPPDLNFPRL
PRRSNGIKDFENDPPLSSCGIFQARLAGEALLDSGVRVTAVFASPALRCVQTAKHILEELKLEKCLKIR
VEPGIFEWMKWEASKATLTFLTLEELKEANFNVDLDYRPALPRCSLMPAESYDQYVERCAVSMGQII
NTCPQDMGITLIVSHSSALDSCTRPLLGLPPRECGDFAQLVRKIPSLGMCFCEENREDGKWDLVNPP
VKTLTHGANSVFNWRNWISSN

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Ubiquitin-associated and SH3 domain-containing protein A (Suppressor of T-cell receptor signaling 2) (STS-2) (T-cell ubiquitin ligand 1) (TULA-1) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: Interferes with CBL-mediated down-regulation and degradation of receptor-type tyrosine kinases. Promotes accumulation of activated target receptors, such as T-cell receptors, EGFR and PDGFRB, on the cell surface. May inhibit dynamin-dependent endocytic pathways by functionally sequestering dynamin via its SH3 domain (By similarity). Exhibits negligible protein tyrosine phosphatase activity at neutral pH. May act as a dominant-negative regulator of UBASH3B-dependent dephosphorylation.

Subcellular Localization: Cytoplasm . Nucleus .

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.