

Recombinant Mouse OTU6B Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52077

Size: 10ug, 100ug

Protein Name: Deubiquitinase OTUD6B (OTU domain-containing protein 6B) (EC 3.4.19.12)

Synonym: Otud6b

UniProt ID: Q8K2H2

UniProt Link: www.uniprot.org/uniprotkb/Q8K2H2/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 294 AA

Molecular Weight: 34 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MEEVVAEELDDEEQLVRRHRKEKKELQAKIQGMKNAVPKNDKKRRKQLTEDVAKLEREMEQKHRE
ELEQLKQLTFKDSKIDSVAVNISNLVLENQPPRISKAQKRREKKAALKEKEREERIAEAEIENLSGARHL
ESEKLAQILAARELEIKQIPSDGHCMYGALEDQLREQDCALTVASLRRQTAEYMQTHSDDFLPFLT
PSTGDMYTPEEFGKYCDDIVNTAAWGGQLELRALSHILQTPIELQADAPPIIVGEEYPRNPLVLVYMR
HAYGLGEHYNSVTRLVNSATENC

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 Deubiquitinase OTUD6B (OTU domain-containing protein 6B) (EC 3.4.19.12) 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: Deubiquitinating enzyme that may play a role in the ubiquitin-dependent regulation of protein synthesis, downstream of mTORC1 (By similarity). May associate with the protein synthesis initiation complex and modify its ubiquitination to repress translation (By similarity). May also repress DNA synthesis and modify different cellular targets thereby regulating cell growth and proliferation (By similarity). May also play a role in proteasome assembly and function (By similarity).

Subcellular Localization: N/A

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.