

Recombinant Mouse ZC3HF Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51586

Size: 10ug, 100ug

Protein Name: Zinc finger CCCH domain-containing protein 15 (DRG family-regulatory protein 1) (Epo-immediate response gene protein FM22)

Synonym: Zc3h15, Dfrp1

UniProt ID: Q3TIV5

UniProt Link: www.uniprot.org/uniprotkb/Q3TIV5/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 426 AA

Molecular Weight: 48 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MPPKKQAQAGGSKKAEQKKKEKIIEDKTFGLKNKKGAKQQKFIKAVTHQVKFGQQNPRQVAQSEAE
KKLKKDDKKELQELNELFKPVVAAQKISKGADPKSVVCAFFKQGQCTKGDCKFSDTLTKCEK
RSVYIDARDEELEKDTMDNWDEKKLEEVVNKKHGEAEKKKPKTQIVCRHFLEAIENNKYGFWVWCP
GGDNCMYRHALPPGFVLKKDKKKEEKEDEISLEDLIERERSALGPNVTKITLESFLAWKKRKRQEKI
DKLEQDMERRKADFKAGKALVISGREVFEPPELVNDDDEEADDTRYIQGTGGDEVDDSMGVNDIDI
SLYVPRDVEETGITVASVERFSTYAPDKDENKLSEASGGLAENGERSDLDEDSGGGGQENGSDAV
PVDENLFTGEDLDELEELNTLDLEE

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 Zinc finger CCCH domain-containing protein 15 (DRG family-regulatory protein 1) (Epo-immediate response gene protein FM22) 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: Protects DRG1 from proteolytic degradation (PubMed:15676025). Stimulates DRG1 GTPase activity likely by increasing the affinity for the potassium ions (By similarity).

Subcellular Localization: Cytoplasm. Nucleus . Note=The DRG1-DFRP2/ZC3H15 complex associates with polysomes.

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.