

Recombinant Mouse TNF15 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52056

Size: 10ug, 100ug

Protein Name: Tumor necrosis factor ligand superfamily member 15 (TNF ligand-related molecule 1) (Vascular endothelial cell growth inhibitor)

Synonym: Tnfsf15, TI1, Vegi

UniProt ID: Q5UBV8

UniProt Link: www.uniprot.org/uniprotkb/Q5UBV8/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 252 AA

Molecular Weight: 28 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MAEELGLGFGEGVPVEVLPEGCRHRPEARAGLAARSKACLALTCCLLSFPILAGLSTLLMAGQLRVP
GKDCMLRAITEERSESPQQVYSPPRGKPAHLTIKKQTPAPHLKNQLSALHWEHDLGMAFTKNGM
KYINKSLVIPESGDYFIYSQITFRGTTSCGDISRGRRPNKPDSITMVITKVADSYPEPARLLTGSKSVC
EISNNWFQSLYL GATFSLEEGDRLMVNVSDISLVDYTKEDKTFFGAFL

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 Tumor necrosis factor ligand superfamily member 15 (TNF ligand-related molecule 1) (Vascular endothelial cell growth inhibitor) 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: Cytokine that signals through TNFRSF25 receptor. Functions as a T-cell costimulator, that increases IL-2 responsiveness and secretion of proinflammatory cytokines which enhances T-cell activation, proliferation and the survival of activated T-cells (PubMed:11911831). Inhibits vascular endothelial growth and angiogenesis (in vitro) (By similarity).

Subcellular Localization: Membrane ; Single-pass type II membrane protein .

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.