

Recombinant Human TNFC Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50996

Size: 10ug, 100ug

Protein Name: Lymphotoxin-beta (LT-beta) (Tumor necrosis factor C) (TNF-C) (Tumor necrosis factor ligand superfamily member 3)

Synonym: LTB, TNFC, TNFSF3

UniProt ID: Q06643

UniProt Link: www.uniprot.org/uniprotkb/Q06643/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 244 AA

Molecular Weight: 25 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MGALGLEGRGGRLQGRGSLLLAVAGATSLVTLALLAVPITVLAVLALVPQDQGGLVTETADPGAQAQQ
GLGFQKLPEEEPETDLSPGLPAAHLIGAPLKGGGLGWETTKEQAFLTSGTQFSDAEGALPQDGLYY
LYCLVGYRGRAPPGGGDPQGRSVTLRSSLYRAGGAYGPGTPELLLEGAETVTPVLPARRQGYGP
LWYTSVGFGLVQLRRGERVYVNISHPDMVDFARGKTFFGAVMVG

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 Lymphotoxin-beta (LT-beta) (Tumor necrosis factor C) (TNF-C) (Tumor necrosis factor ligand superfamily member 3) 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 binds to LTBR/TNFRSF3 (PubMed:24248355). May play a specific role in immune response regulation. Provides the membrane anchor for the attachment of the heterotrimeric complex to the cell surface. Isoform 2 is probably non-functional.

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.