

Recombinant Mouse TNFL9 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51412

Size: 10ug, 100ug

Protein Name: Tumor necrosis factor ligand superfamily member 9 (4-1BB ligand) (4-1BBL)

Synonym: Tnfsf9, Cd137l, Cd157l, Ly63l

UniProt ID: P41274

UniProt Link: www.uniprot.org/uniprotkb/P41274/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 309 AA

Molecular Weight: 34 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MDQHTLDVEDTADARHPAGTSCPSDAALLRDTGLLADAALLSDTVRPTNAALPTDAAYPAVNVRDR
EAAWPPALNFCSRHPKLYGLVALVLLLLIAACVPIFTRTEPRPALTITTSPNLGTRENNADQVTPVSHI
GCPNTTQQGSPVFALLAKNQASLCNTTLNWHQSQDGAGSSYLSQGLRYEEDKKELVVDSPGLYYV
FLELKLSPFTNTGHKVQGWVSLVLQAKPQVDDFDNLALTVELFPCSMENKLVDRSWSQLLLKAG
HRLSVGLRAYLHGAQDAYRDWELSYPNNTTSFGLFLVKPDNPWE

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 9 (4-1BB ligand) (4-1BBL) 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 TNFRSF9. Induces the proliferation of activated peripheral blood T-cells. May have a role in activation-induced cell death (AICD). May play a role in cognate interactions between T-cells and B-cells/macrophages.

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.