

Recombinant Rat TNF1B Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52543

Size: 10ug, 100ug

Protein Name: Tumor necrosis factor receptor superfamily member 1B (Tumor necrosis factor receptor 2) (TNF-R2) (Tumor necrosis factor receptor type II) (TNF-RII) (TNFR-II) (p75) (p80 TNF-alpha receptor) (CD antigen CD120b)

Synonym: Tnfrsf1b, Tnfr2

UniProt ID: Q80WY6

UniProt Link: www.uniprot.org/uniprotkb/Q80WY6/entry

Species Source: Rat

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 474 AA

Molecular Weight: 50 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MAPAALWVALVVELQLWATGHTVPAKVVLTPYKPEPGNQCCISQEYYDKKAQMCCA KCPPGQYAK
HFCNKTSDTV CADCAAGMFTQVWNHLHTCLSCSSSCSDDQVETHNCTKKQNRVCACNADSYCALK
LHSGNCRQCMKLSKCGPGFGVARSRTSNGNVICSACAPGTFSDTTSSTDVCRPHRCSILAIPGNAS
TDAVCASESPTPSAVPRTIYVSQPEPTRSQPMDQEPGPSQTPHIPVSLGSTPIIEPSITGGISLP IGLIV
GLTTLGLLMLGLANCFILVQRKKKPSCLQRETMVPHLPDDKSQDAIGLEQQHLLTTAPSSSSSSSLESS
ASAGDRRAPPGGHPQARVTAEAQGSQEACAGSRSSDSSHGSHGTHVNVTCIVNVCSSSDHSSQC
SSQASTTVGDPDANPSGSPKDEQVPFSQEECPSSQSQWETTETLQNHDKPFPLGVDPDVGMPKNQP
GWYDQIAVKVP

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 receptor superfamily member 1B (Tumor necrosis factor receptor 2) (TNF-R2) (Tumor necrosis factor receptor type II) (TNF-RII) (TNFR-II) (p75) (p80 TNF-alpha receptor) (CD antigen CD120b) 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: Receptor with high affinity for TNFSF2/TNF and approximately 5-fold lower affinity for homotrimeric TNFSF1/lymphotoxin-alpha. The TRAF1/TRAF2 complex recruits the apoptotic suppressors BIRC2 and BIRC3 to TNFRSF1B/TNFR2 (By similarity).

Subcellular Localization: Membrane ; Single-pass type I 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.