

Recombinant Rat TNR6 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52493

Size: 10ug, 100ug

Protein Name: Tumor necrosis factor receptor superfamily member 6 (Apo-1 antigen) (Apoptosis-mediating surface antigen FAS) (FASLG receptor) (CD antigen CD95)

Synonym: Fas, Apt1, Tnfrsf6

UniProt ID: Q63199

UniProt Link: www.uniprot.org/uniprotkb/Q63199/entry

Species Source: Rat

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 324 AA

Molecular Weight: 37 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MLWIMAVLPLVLAGPELNVRMQGTDSIFEGLELKRSVRETDNNCSEGLYQVGPFCQPCQPGERKV
KDCTTSGGAPTCHPCTEGEEYTDRKHYSKCRRCFAFCDEGHGLEVETNCTRTQNTKCRCKENFYC
NASLCDHCYHCTSCGLEDILEPCTRTSNTKCKKQSSNYKLLWLLILPGLAILFVFIYKRYRKRQPGDP
ESGIPSPESVPMNVSDVNLNKYIWRTAEKMKICDAKKFARQHKIPESKIDEIEHNSPQDAAEQKIQLL
QCWYQSHGKTGACQALIQGLRKANRCDIAEEIQAMVWEDHENSISNSRNEGQSLE

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 6 (Apo-1 antigen) (Apoptosis-mediating surface antigen FAS) (FASLG receptor) (CD antigen CD95) 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 for TNFSF6/FASLG. The adapter molecule FADD recruits caspase CASP8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs CASP8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. FAS-mediated apoptosis may have a role in the induction of peripheral tolerance, in the antigen-stimulated suicide of mature T-cells, or both (By similarity).

Subcellular Localization: Cell membrane ; Single-pass type I membrane protein . Membrane raft .

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.