

Recombinant Human TNR27 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51006

Size: 10ug, 100ug

Protein Name: Tumor necrosis factor receptor superfamily member 27 (X-linked ectodysplasin-A2 receptor) (EDA-A2 receptor)

Synonym: EDA2R, TNFRSF27, XEDAR, UNQ2448/PRO5727/PRO34080

UniProt ID: Q9HAV5

UniProt Link: www.uniprot.org/uniprotkb/Q9HAV5/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 297 AA

Molecular Weight: 33 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MDCQENEYWDQWGRCVTCQRCGPGQELSKDCGYGEGGDAYCTACPPRRYKSSWGHHRQCSCI
TCAVINRVQKVNCTATSNVAVCGDCLPRFYRKTRIGGLQDQECIPCTKQTPTSEVQCAFQLSLVEADT
PTVPPQEATLVALVSSLLVVFTLAFLGLFFLYCKQFFNRHRCQRGGLLQFEADKTAKEESLFPVPPSKE
TSAESQVSENIFQTQPLNPILEDDCSSTSGFPTQESFTMASCTSESHSHWVHSPIECTELDLQKFSS
SASYTGAETLGGNTVESTGDRLELNPFEVPSP

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 27 (X-linked ectodysplasin-A2 receptor) (EDA-A2 receptor) 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 EDA isoform A2, but not for EDA isoform A1. Mediates the activation of the NF-kappa-B and JNK pathways. Activation seems to be mediated by binding to TRAF3 and TRAF6.

Subcellular Localization: Membrane; Single-pass type III 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.