

Recombinant Human EDAR Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50272

Size: 10ug, 100ug

Protein Name: Tumor necrosis factor receptor superfamily member EDAR (Anhidrotic ectodysplasin receptor 1) (Downless homolog) (EDA-A1 receptor) (Ectodermal dysplasia receptor) (Ectodysplasin-A receptor)

Synonym: EDAR, DL

UniProt ID: Q9UNE0

UniProt Link: www.uniprot.org/uniprotkb/Q9UNE0/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 448 AA

Molecular Weight: 49 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MAHVGDCQTPTWLPVLVVSMLCSARA EYSNCGENEYYNQTTGLCQECPPCGPGEEPYLSCGYGT
KD EYDYGCVPCPAEKFSKGGYQICRRHKDCEGFFRATVLT PGDMENDAECGPCLPGYYMLENRPRN
IYGMVCYSCLLAPPNTKECVGATSGASANFPGTSGSSTLSPFQHAHKELSGQGHLATALIIMSTIFI
MAIAIVLIIMFYILKTKPSAPACCTSHPGKSVEAQVSKDEEKKEAPDNVVMFSEKDEFEKL TATPAKPT
KSENDASSENEQLLSRSVDSDEEPAPDKQGSP ELCLLSLVHLAREKSATSNKSAGIQSRRKKILDVY
ANVCGVVEGLSPT ELPFDCLEKTSRMLSSTYNSEKAVVKTWRHLAESFGLKRDEIGGMTDGMQLFD
RISTAGYSIPELLTKLVQIERLDAVESLCADILEWAGVVP PASQPHAAS

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 EDAR (Anhidrotic ectodysplasin receptor 1) (Downless homolog) (EDA-A1 receptor) (Ectodermal dysplasia receptor) (Ectodysplasin-A 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 A1, but not for EDA isoform A2. Mediates the activation of NF-kappa-B and JNK. May promote caspase-independent cell death.

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.