

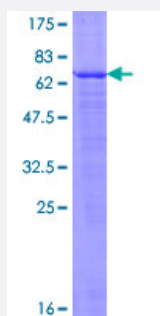
Full-Length

EDA2R (Human) Recombinant Protein (P01)

Catalog # H00060401-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human EDA2R full-length ORF (NP_068555.1, 1 a.a. - 297 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDCQENEYWDQWGRCVTCQRCGPGQELSKDCGYGEGGDAYCTACPPRRYKSSWGHHCQS
CITCAVINRVQKVNCTATSNVCGDCLPRFYRKTRIGGLQDQECIPCTKQTPSEVQCAFQLSLVE
ADAPTVPPEATLVALVSSLLVFTLAFLGLFFLYCKQFFNRHCQRGGLLQFEADKTAKEESLFP
VPPSKETSAESQVSENIQTQLNPILEDDCSSTSGFPTQESFTMASCTSESHSHVHSPICE
LDLQKFSSSASYGAETLGGNTVESTGDRLELNVPFEVPSP

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

59.1

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — EDA2R

Entrez GeneID [60401](#)

GeneBank Accession# [NM_021783.2](#)

Protein Accession# [NP_068555.1](#)

Gene Name EDA2R

Gene Alias EDA-A2R, EDAA2R, TNFRSF27, XEDAR

Gene Description ectodysplasin A2 receptor

Omim ID [300276](#)

Gene Ontology [Hyperlink](#)

Gene Summary EDA-A1 and EDA-A2 are two isoforms of ectodysplasin that are encoded by the anhidrotic ectodermal dysplasia (EDA) gene. Mutations in EDA give rise to a clinical syndrome characterized by loss of hair, sweat glands, and teeth. The protein encoded by this gene specifically binds to EDA-A2 isoform. This protein is a type III transmembrane protein of the TNFR (tumor necrosis factor receptor) superfamily, and contains 3 cysteine-rich repeats and a single transmembrane domain but lacks an N-terminal signal peptide. Multiple alternatively spliced transcript variants have been found for this gene, but some variants lack sufficient support. [provided by RefSeq]

Other Designations EDA-A2 receptor|OTTHUMP00000023448|X-linked ectodysplasin receptor|X-linked ectodysplasin-A2 receptor|tumor necrosis factor receptor superfamily member XEDAR

Pathway

- [Cytokine-cytokine receptor interaction](#)

Disease

- [Alopecia](#)
- [Genetic Predisposition to Disease](#)