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Datasheet for ABIN7317469

Ectodysplasin A2 Receptor Protein (EDA2R) (His tag)

Overview

Quantity:	100 µg
Target:	Ectodysplasin A2 Receptor (EDA2R)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Ectodysplasin A2 Receptor protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human XEDAR/EDA2R Protein (His Tag)
Sequence:	Met 1-Thr 138
Characteristics:	A DNA sequence encoding the human EDA2R (NP_068555.1) extracellular domain (Met 1-Thr 138) fused with a polyhistidine tag at the C-terminus and a signal peptide at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Ectodysplasin A2 Receptor (EDA2R)
Alternative Name:	XEDAR/EDA2R (EDA2R Products)
Background:	Background: Tumor necrosis factor receptor superfamily member 27, also known as X-linked ectodysplasin-A2 receptor, EDA-A2 receptor, EDA2R, XEDAR and TNFRSF27, is a single-pass type I II membrane protein. TNFRSF27 / EDA2R contains three TNFR-Cys repeats. It is a new

Target Details

member of the tumor necrosis factor receptor family that has been shown to be highly expressed in ectodermal derivatives during embryonic development and binds to ectodysplasin-A2 (EDA-A2). TNFRSF27 / EDA2R is a receptor for EDA isoform A2, but not for EDA isoform A1. TNFRSF27 / EDA2R mediates the activation of the NF-kappa-B and JNK pathways. The activation seems to be mediated by binding to TRAF3 and TRAF6. Ectodysplasin, a member of the tumor necrosis factor family, is 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. EDA-A1 and EDA-A2 are two isoforms of ectodysplasin that differ only by an insertion of two amino acids. This insertion functions to determine receptor binding specificity, such that EDA-A1 binds only the receptor EDAR, whereas EDA-A2 binds only the related, but distinct, X-linked ectodysplasin-A2 receptor (XEDAR).
Synonym: EDA-A2R;EDAA2R;TNFRSF27;XEDAR

Molecular Weight: 16.7 kDa

NCBI Accession: [NP_068555](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.