

Recombinant Human ectodysplasin A2 receptor, His-tagged

Cat. No. EDA2R-314H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	EDA2R, 1-138aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-138 a.a.
Description	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. EDA2R 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. Alternatively spliced transcript variants have been found for this gene. Recombinant human EDA2R protein , fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea
Molecular Mass	17.7 kDa (161aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMDCQENE YWDQWGRCVT CQRCGPGQEL SKDCGYGEGG DAYCTACPPR RYKSSWGHR CQSCITCAVI NRVQKVNCTA TSNAVCGDCL PRFYRKTRIG GLQDQECIPC TKQTPPTSEVQ CAFQLSLVEA DAPTVPQEA T

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Purity	>90% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	EDA2R ectodysplasin A2 receptor [Homo sapiens]
Official Symbol	EDA2R
Synonyms	EDA2R; ectodysplasin A2 receptor; tumor necrosis factor receptor superfamily member 27; EDA A2R; EDAA2R; TNFRSF27; XEDAR; EDA-A2 receptor; X-linked ectodysplasin-A2 receptor; tumor necrosis factor receptor superfamily member XEDAR; EDA-A2R;
Gene ID	60401
mRNA Refseq	NM_001199687
Protein Refseq	NP_001186616
MIM	300276
UniProt ID	Q9HAV5
Chromosome Location	Xq11.1
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-

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cytokine receptor interaction, conserved biosystem;

Function

protein binding; receptor activity; tumor necrosis factor-activated receptor activity;

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