

Recombinant Human Ectodysplasin A, FLAG-tagged

Cat. No. EDA-2117H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human EDA was produced in <i>E. coli</i> . The extracellular domain of human EDA-A1 (ectodysplasin-A1) (aa 245-391) is fused at the N-terminus to a linker peptide (9 aa) and a FLAG-tag.
Species	Human
Source	E.coli
ProteinLength	245-391 a.a.
Description	The protein encoded by this gene is a type II membrane protein that can be cleaved by furin to produce a secreted form. The encoded protein, which belongs to the tumor necrosis factor family, acts as a homotrimer and may be involved in cell-cell signaling during the development of ectodermal organs. Defects in this gene are a cause of ectodermal dysplasia, anhidrotic, which is also known as X-linked hypohidrotic ectodermal dysplasia. Several transcript variants encoding many different isoforms have been found for this gene.
Purity	≥95% (SDS-PAGE).
Formulation	Lyophilized. Contains PBS.
Concentration	0.1mg/ml after reconstitution.
Endotoxin Content	<0.1EU/g purified protein (LAL test; Bio Whittaker).

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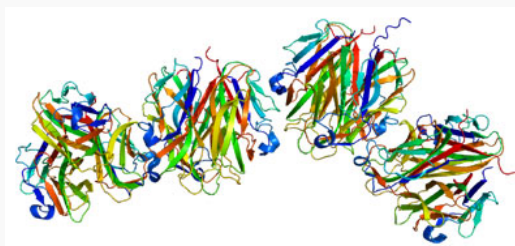
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Reconstitution	Reconstitute with 100µl sterile water. Further dilutions should be made with medium containing 5% fetal calf serum.
Specificity	Binds to human EDAR (ectodysplasin-A1 receptor).
Stability	Stable for at least 6 months after receipt when stored at -20°C.
GENE INFORMATION	
Gene Name	EDA ectodysplasin A [Homo sapiens]
Synonyms	EDA; ectodysplasin A; ED1; HED; EDA1; EDA2; XHED; XLHED; ED1-A1; ED1-A2; STHAGX1; ectodysplasin-A; ectodermal dysplasia protein; X-linked anhidrotic ectodermal dysplasia protein; ectodermal dysplasia 1, anhidrotic; EDA protein; Ectodysplasin-A, membrane form; Ectodysplasin-A, secreted form
Gene ID	1896
mRNA Refseq	NM_001005609
Protein Refseq	NP_001005609
MIM	300451
UniProt ID	Q92838
Chromosome Location	Xq12-q13.1
Pathway	Cytokine-cytokine receptor interaction

Function

protein binding; receptor binding; tumor necrosis factor receptor binding

**PDB rendering based
on 1rj7.**



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