

## Recombinant Human Ectodysplasin A, FLAG-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	245-391 a.a.
<b>Description</b>	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.
<b>Purity</b>	≥95% (SDS-PAGE).
<b>Formulation</b>	Lyophilized. Contains PBS.
<b>Concentration</b>	0.1mg/ml after reconstitution.
<b>Endotoxin Content</b>	<0.1EU/g purified protein (LAL test; Bio Whittaker).

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<b>Reconstitution</b>	Reconstitute with 100µl sterile water. Further dilutions should be made with medium containing 5% fetal calf serum.
<b>Specificity</b>	Binds to human EDAR (ectodysplasin-A1 receptor).
<b>Stability</b>	Stable for at least 6 months after receipt when stored at -20°C.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	EDA ectodysplasin A [ Homo sapiens ]
<b>Synonyms</b>	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
<b>Gene ID</b>	1896
<b>mRNA Refseq</b>	NM_001005609
<b>Protein Refseq</b>	NP_001005609
<b>MIM</b>	300451
<b>UniProt ID</b>	Q92838
<b>Chromosome Location</b>	Xq12-q13.1
<b>Pathway</b>	Cytokine-cytokine receptor interaction

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**Function**

protein binding; receptor binding; tumor necrosis factor receptor binding

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