

## Recombinant Human Ectodysplasin A, FLAG-tagged

**Cat. No.** EDA-2082H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human EDA is produced in <i>HEK 293 Cells</i> . The extracellular domain of human EDA-A2 (ectodysplasin-A2) (aa 245-391) is fused at the N-terminus to a linker peptide (10 aa) and a FLAG-tag. MW=28kDa (SDS-PAGE).
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	245-391 a.a.
<b>Description</b>	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.
<b>Purity</b>	≥90% (SDS-PAGE).
<b>Concentration</b>	0.1mg/ml after reconstitution.
<b>Formulation</b>	Lyophilized. Contains PBS.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Endotoxin Content</b>	<0.1EU/g purified protein (LAL test; Bio Whittaker).
<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 XEDAR (X-linked ectodysplasin-A2 receptor).
<b>Stability</b>	Stable for at least 6 months after receipt when stored at -20°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">EDA ectodysplasin A [ Homo sapiens ]</a>
<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
<b>Gene ID</b>	<a href="#">1896</a>
<b>mRNA Refseq</b>	<a href="#">NM_001005609</a>
<b>Protein Refseq</b>	<a href="#">NP_001005609</a>
<b>MIM</b>	<a href="#">300451</a>
<b>UniProt ID</b>	<a href="#">Q92838</a>
<b>Chromosome Location</b>	Xq12-q13.1
<b>Pathway</b>	Cytokine-cytokine receptor interaction

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



**Function**

protein binding; receptor binding; tumor necrosis factor receptor binding

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA