Recombinant Human Ectodysplasin A, FLAG-tagged

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

SPECIFICATION

Product Overview	Recombinant Human EDA is produced in*HEK 293 Cells*. 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).
Species	Human
Source	HEK293
ProteinLength	245-391 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. 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.
Purity	≥90% (SDS-PAGE).
Concentration	0.1mg/ml after reconstitution.
Formulation	Lyophilized. Contains PBS.

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Endotoxin Content	<0.1EU/μg purified protein (LAL test; Bio Whittaker).
Reconstitution	Reconstitute with 100μsterile water. Further dilutions should be made with medium containing 5% fetal calf serum.
Specificity	Binds to human XEDAR (X-linked ectodysplasin-A2 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 anhidroitic ectodermal dysplasia protein
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

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Function	protein binding; receptor binding; tumor necrosis factor receptor binding

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