# Recombinant Human Ectodysplasin A, FLAG-tagged

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

## SPECIFICATION

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| **Product Overview** | Recombinant Human EDA was produced in*E. coli.*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/μg purified protein (LAL test; Bio Whittaker). |

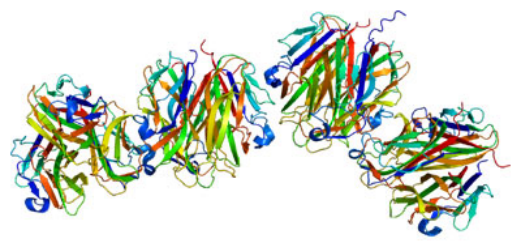
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| **Reconstitution** | Reconstitute with 100µsterile water. Further dilutions should be made with medium containing 5% fetal calf serum. |
| **Specificity** | Binds to human EDAR (ectodysplasin-A1 receptor). |
| **Stability** | Stable for at least 6 months after receipt when stored at -20°C. |

## GENE INFORMATION

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| **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; 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 |

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| **Function** | protein binding; receptor binding; tumor necrosis factor receptor binding |
| **PDB rendering based on 1rj7.** |  |

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