Recombinant Human Ectodysplasin A Receptor

Cat. No. EDAR-1607H **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	Mammalian Cells
Description	Ectodysplasin A receptor, also known as EDAR is a cell surface receptor of the tumor necrosis factor receptor (TNFR) family involved in the development of hair follicles, teeth, and sweat glands. EDAR is the genetic determinant of hair thickness as well as a strong contributor to hair fiber thickness variation among Asian populations.
Molecular Weight	The predicted molecular weight of Recombinant Human EDAR is 44.3 kDa. However, the actual molecular weight as observed by migration on SDS Page is 55-60 kDa.
State Of Matter	Lyophilized.
Formulation	This recombinant protein was 0.2 μm filtered and lyophilized from modified Dulbecco's phosphate buffered saline (1X PBS) pH 7.2 – 7.3 with no calcium, magnesium, or preservatives.
Purity	>90% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/μg as determined by the LAL method.
Storage	This lyophilized protein is stable for six to twelve months when stored desiccated at -20℃ to -70℃. After aseptic reconstitution, this protein may be stored at 2℃ to 8℃ for one month or at -20℃ to -70℃ in a manual defrost freezer. Avoid

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	Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name	EDAR ectodysplasin A receptor [Homo sapiens]
Synonyms	EDAR; ectodysplasin A receptor; DL; ED3; ED5; ED1R; EDA3; HRM1; EDA1R; EDA-A1R; FLJ94390; ectodysplasin 1; anhidrotic receptor; Tumor necrosis factor receptor superfamily member EDAR; Anhidrotic ectodysplasin receptor 1; Ectodysplasin-A receptor; EDA-A1 receptor; Ectodermal dysplasia receptor; Downless homolog
Gene ID	10913
mRNA Refseq	NM_022336
Protein Refseq	NP_071731
MIM	604095
UniProt ID	Q9UNE0
Chromosome Location	2q13
Pathway	Cytokine-cytokine receptor interaction
Function	protein binding; tumor necrosis factor receptor activity

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