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**Product Data Sheet**


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Product Name: EDAR Human  
 Cat. No.: GP23351  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ectodysplasin A Receptor; DL; Ectodysplasin 1; Anhidrotic Receptor; Anhidrotic Ectodysplasin Receptor 1; Ectodermal Dysplasia Receptor; Ectodysplasin-A Receptor; Downless Homolog; EDA-A1 Receptor; ECTD10A; ECTD10B; EDA3; HRM1; ED3; Tumor Necrosis Factor Receptor Superfamily Member EDAR; Downless; Mouse; Homolog Of; EDA-A1R; EDA1R; ED1R; ED5; Tumor necrosis factor receptors superfamily member EDAR.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSEYSNCGE NEYYNQTTGL CQECPPCGPG EEPYLSCGYG TKDEDYGCVPCPAEKFSKGG YQICRRHKDC EGFFRATVLT PGDMENDAEC GPCLPGYYML ENRPRNIYGM VCYSCLLAPPNTKECVGATS GASANFPGTS GSSTLSPFQH AHKELSGQGH LATALIAMS TIFIMAIIV LIIMFYILKT KPSAPACCTS HPGKSVEAQVSKDEEKKEAP DNVVMFSEKD EFEKLTATPA KPTKSENDAS SENEQLLSRS VDSDEEPAPD KQGSPCLLLSLVHLAREKS ATSNKSAGIQ SRRKKILDVY ANVCGVVEGL SPTELPFDCLEKTSRMLSSTYNSEKAVVKT WRHLAESFGL KRDEIGGMTD GMQLFDRIST AGYSIPPELLTKLVQIERLDA VESLCADILE WAGVVPPASQ PHAAS.		
Formulation	EDAR protein solution (0.25mg/ml) containing 20mM Tris-HCl (pH 8.0) and 10% glycerol.		

**Introduction**

Ectodysplasin A Receptor, also known as EDAR belongs to the tumor necrosis factor receptor family. EDAR is a receptor for the soluble ligand ectodysplasin A, and is capable of activating the nuclear factor-kappaB, JNK, as well as caspase-independent cell death pathways. EDAR is necessary for the development of hair, teeth, and other ectodermal derivatives. Furthermore, mutations in EDAR resulted in autosomal dominant and recessive forms of hypohidrotic ectodermal dysplasia.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.

### Background

EDAR Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 445 amino acids (27-448 a.a) and having a molecular mass of 48.2kDa. EDAR is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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