
Product Data Sheet

Product Name: EDAR Human, Sf9

Cat. No.: GP23352

Batch No.: 1

Product Data

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|---------------------|--|--------------------|-------------------------|
| Purity | >98% | Source | Sf9, Baculovirus cells. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | Ectodysplasin A Receptor; Ectodysplasin 1; Anhidrotic Receptor; Anhidrotic Ectodysplasin Receptor 1; Ectodermal Dysplasia Receptor; Downless Homolog; EDA-A1 Receptor; DL; Tumor Necrosis Factor Receptor Superfamily Member EDAR; Downless; Mouse; Homolog Of; Ectodysplasin-A Receptor; ECTD10A; ECTD10B; EDA-A1R; EDA1R; ED1R; EDA3; HRM1; ED5; ED3. | | |
| Amino Acid Sequence | ADPEYSNCGE NEYYNQTTGL CQECPPCGPG EEPYLSCGYG TKDEDYGCVP CPAEKFSKGG YQICRRHKDC EGFFRATVLT PGDMENDAEC GPCLPGYYML ENRPRNIYGM VCYSCLLAPP NTKECVGATS GASANFPGTS GSSTLSPFQH AHKELSGQGH LATAAAAFES ACSLEPKSCDKTHTCPPCP APELLGGPSV FLFPPKPKDT LMISRTPEVT CVVVDVSHED PEVKFNWYVD GVEVHNAKTK PREEQYNSTY RVVSVLTVLH QDWLNGKEYK CKVSNKALPA PIEKTISKAK GQPREPQVYT LPPSRDELTK NQVSLTCLVK GFYPSDIAVE WESNGQPENN YKTTTPVLDSGDSFFLYSKL TVDKSRWQQG NVFSCSVMHE ALHNHYTQKS LSLSPGKHHH HHH. | | |
| Formulation | EDAR protein solution (0.5mg/ml) contains 10% glycerol & Phosphate Buffered Saline (pH 7.4). | | |

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.

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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 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 413 amino acids (27-187a.a.) and having a molecular mass of 45.6kDa. (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). EDAR is expressed with a 249 amino acid hIgG-His-tag at C-Terminus and purified by proprietary chromatographic techniques.

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