

# Recombinant Mouse Ectodysplasin-A Receptor

**Cat. No.** Edar-1721M    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

|                              |                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>               | Mouse                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>                | Mammalian Cells                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>           | 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. |
| <b>Molecular Weight</b>      | The predicted molecular weight of Recombinant Mouse EDAR is Mr 44.3 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 55-60 kDa.                                                                                                                                                                              |
| <b>State Of Matter</b>       | Lyophilized.                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>                | >90% by SDS Page and analyzed by silver stain.                                                                                                                                                                                                                                                                                                   |
| <b>Endotoxin</b>             | <0.1 ng per 1 g as determined by the LAL method.                                                                                                                                                                                                                                                                                                 |
| <b>Storage And Stability</b> | This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage                |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

instructions.

**GENE INFORMATION**

|                            |                                                                                                                                                                                     |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | Edar ectodysplasin-A receptor [ <i>Mus musculus</i> ]                                                                                                                               |
| <b>Synonyms</b>            | Edar; ectodysplasin-A receptor; dl; ED3; ED5; ED1R; EDA3; EDA-A1R; ectodysplasin A receptor; OTTMUSP00000030271; ectodermal dysplasia receptor; anhidrotic ectodysplasin receptor 1 |
| <b>Gene ID</b>             | 13608                                                                                                                                                                               |
| <b>mRNA Refseq</b>         | NM_010100                                                                                                                                                                           |
| <b>Protein Refseq</b>      | NP_034230                                                                                                                                                                           |
| <b>UniProt ID</b>          | Q9R187                                                                                                                                                                              |
| <b>Chromosome Location</b> | 10 B3; 10 29.0 cM                                                                                                                                                                   |
| <b>Pathway</b>             | Cytokine-cytokine receptor interaction                                                                                                                                              |
| <b>Function</b>            | protein binding; receptor activity                                                                                                                                                  |

 Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA