

Recombinant Human Ectodysplasin A2 Receptor, Fc Chimera

Cat. No. EDA2R-1701H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human XEDAR containing the signal peptide from human CD33 joined with the extracellular domain of human XEDAR was fused to the Fc region of human IgG1 via a linker peptide, inserted into a suitable mammalian expression vector and expressed in <i>NSO cells</i> .
Species	Human
Source	Mammalian Cells
Description	XEDAR (X-linked Ectodysplasin A2 Receptor) is a recently isolated member of the tumor necrosis factor receptor family that is highly expressed during embryonic development and induces apoptosis. XEDAR is a receptor for Ectodysplasin-A2 (EDA-A2) which may be a promising agent for the gene therapy of osteosarcoma.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/g as determined by the LAL method.
Molecular Weight	The predicted molecular weight of Recombinant Human XEDAR is Mr 41.8 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 61 kDa.
Formulation	This recombinant protein was 0.2 µg filtered and lyophilized from modified Dulbecco's

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

phosphate buffered saline (1X PBS) pH 7.2 – 7.3 with no calcium, magnesium, or preservatives.

Biological Activity

The biological activity of Human XEDAR was determined by its ability to bind rhEDA-A2/His. Immobilized rhXEDAR/Fc at 1 µg/mL (100 µL/well) can bind rhEDA-A2/His with a linear range of 0.045 - 5 ng/mL in a functional ELISA.

Storage And Stability

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.

GENE INFORMATION

Gene Name

[EDA2R ectodysplasin A2 receptor \[Homo sapiens \]](#)

Synonyms

ectodysplasin A2 receptor; XEDAR; EDAA2R; EDA-A2R; TNFRSF27; EDA2R; X-linked ectodysplasin receptor; EDA-A2 receptor; X-linked ectodysplasin-A2 receptor; tumor necrosis factor receptor superfamily member XEDAR; OTTHUMP00000023448; ectodysplasin A2 receptor

Gene ID

[60401](#)

mRNA Refseq

[NM_021783](#)

Protein Refseq

[NP_068555](#)

MIM

[300276](#)

UniProt ID

[Q9HAV5](#)

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Chromosome Location	Xq12
Pathway	Cytokine-cytokine receptor interaction
Function	protein binding; receptor activity; tumor necrosis factor receptor activity

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