

Datasheet for ABIN7321194

**Ectodysplasin A2 Receptor Protein (EDA2R) (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	Ectodysplasin A2 Receptor (EDA2R)
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Ectodysplasin A2 Receptor protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Rat XEDAR/EDA2R Protein (His Tag)
Sequence:	Met2-Glu137
Characteristics:	A DNA sequence encoding the rat EDA2R (D3ZAX4) (Met2-Glu137) was expressed, fused with a polyhistidine tag at the C-terminus.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method

## Target Details

Target:	Ectodysplasin A2 Receptor (EDA2R)
Alternative Name:	XEDAR/EDA2R ( <a href="#">EDA2R Products</a> )
Background:	Background: Tumor necrosis factor receptor superfamily member 27, also known as X-linked ectodysplasin-A2 receptor, EDA-A2 receptor, EDA2R, XEDAR and TNFRSF27, is a single-pass type I II membrane protein. TNFRSF27 / EDA2R contains three TNFR-Cys repeats. It is a new

## Target Details

member of the tumor necrosis factor receptor family that has been shown to be highly expressed in ectodermal derivatives during embryonic development and binds to ectodysplasin-A2 (EDA-A2). TNFRSF27 / EDA2R is a receptor for EDA isoform A2, but not for EDA isoform A1. TNFRSF27 / EDA2R mediates the activation of the NF-kappa-B and JNK pathways. The activation seems to be mediated by binding to TRAF3 and TRAF6.

Ectodysplasin, a member of the tumor necrosis factor family, is encoded by the anhidrotic ectodermal dysplasia EDA gene. Mutations in EDA give rise to a clinical syndrome characterized by loss of hair, sweat glands, and teeth. EDA-A1 and EDA-A2 are two isoforms of ectodysplasin that differ only by an insertion of two amino acids. This insertion functions to determine receptor binding specificity, such that EDA-A1 binds only the receptor EDAR, whereas EDA-A2 binds only the related, but distinct, X-linked ectodysplasin-A2 receptor (XEDAR).

Synonym: EDA2R

Molecular Weight:	16.7 kDa
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UniProt:	<a href="#">D3ZAX4</a>
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## Application Details

Restrictions:	For Research Use only
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## Handling

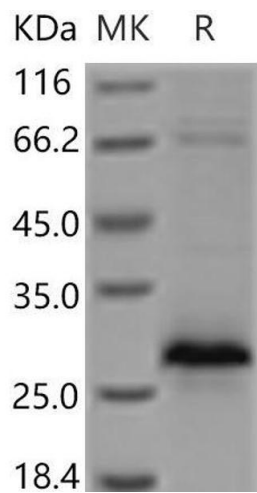
Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from sterile PBS, pH 7.4
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Storage:	4 °C, -20 °C, -80 °C
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Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
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**Western Blotting**

**Image 1.**