

EDA2R/XEDAR Protein, Human (HEK293, His)

Cat. No.:	HY-P75728
Synonyms:	Tumor necrosis factor receptor superfamily member 27; EDA-A2 receptor; EDA2R; TNFRSF27; XEDAR
Species:	Human
Source:	HEK293
Accession:	Q9HAV5 (M1-T138)
Gene ID:	60401
Molecular Weight:	Approximately 23-25 kDa due to the glycosylation.

PROPERTIES

AA Sequence	<p>M D C Q E N E Y W D Q W G R C V T C Q R C G P G Q E L S K D C G Y G E G G D A Y</p> <p>C T A C P P R R Y K S S W G H H R C Q S C I T C A V I N R V Q K V N C T A T S N</p> <p>A V C G D C L P R F Y R K T R I G G L Q D Q E C I P C T K Q T P T S E V Q C A F</p> <p>Q L S L V E A D T P T V P P Q E A</p>
Biological Activity	Immobilized Recombinant Human EDA-A2 at 1 µg/mL (100 µL/well) can bind Recombinant Human EDA2R. The ED ₅₀ for this effect is 216.4 ng/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	EDA2R/XEDAR Protein serves as a receptor specifically for EDA isoform A2, distinguishing it from isoform A1. This receptor plays a crucial role in mediating the activation of the NF-kappa-B and JNK pathways. The activation process appears to be facilitated through the binding of EDA2R/XEDAR to TRAF3 and TRAF6. Additionally, EDA2R/XEDAR forms associations with TRAF1, TRAF3, and TRAF6, indicating its involvement in intricate signaling networks. These interactions highlight the multifaceted role of EDA2R/XEDAR in cellular signaling pathways, emphasizing its potential impact on immune responses
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and inflammatory processes.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA