EDAR Protein, Human (HEK293, His)

Cat. No.:	HY-P75262
Synonyms:	Tumor necrosis factor receptor superfamily member EDAR; EDA-A1 receptor; EDAR
Species:	Human
Source:	HEK293
Accession:	Q9UNE0 (E27-I189)
Gene ID:	10913
Molecular Weight:	The protein migrates as an approximately 25-35 kDa band under reducing SDS-PAGE due to glycosylation.

PROPERTIES

AA Sequence	E Y S N C G E N E Y Y N Q T T G L C Q E C P P C G P G E E P Y L S C G Y G T K D E D Y G C V P C P A E K F S K G G Y Q I C R R H K D C E G F F R A T V L T P G D M E N D A E C G P C L P G Y Y M L E N R P R N I Y G M V C Y S C L L A P P N T K E C V G A T S G A S A N F P G T S G S S T L S P F Q H A H K E L S G Q G H L A T A L I
Biological Activity	When Recombinant Human EDAR Protein is immobilized at 2 μg/mL (100 μL/well) can bind Anti- EDAR Antibody. The ED_{50} for this effect is 66.07 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.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. 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	EDAR serves as a receptor specifically for EDA isoform A1, distinguishing it from EDA isoform A2. Upon binding, EDAR

facilitates the activation of NF-kappa-B and JNK signaling pathways, potentially leading to various cellular responses. Additionally, EDAR may play a role in promoting caspase-independent cell death. The receptor forms a complex with EDARADD, and it is associated with key signaling molecules such as TRAF1, TRAF2, TRAF3, and NIK, indicating its involvement in intricate signaling cascades.

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