

EDAR Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P70115
Synonyms:	rMuTumor necrosis factor receptor superfamily member EDAR/EDAR, Fc; Tumor necrosis factor receptor superfamily member EDAR; Anhidrotic ectodysplasin receptor 1; Downless; Ectodermal dysplasia receptor; Ectodysplasin-A receptor
Species:	Mouse
Source:	HEK293
Accession:	Q9R187 (E27-I189)
Gene ID:	13608
Molecular Weight:	58-74 kDa

PROPERTIES

AA Sequence	<pre> E D S N C G E N E Y H N Q T T G L C Q Q C P P C R P G E E P Y M S C G Y G T K D D 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 V S A H S S S T S G G S T L S P F Q H A H K E L S G Q G H L A T A L I </pre>
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	EDAR Protein functions as a receptor specifically for EDA isoform TAA, distinguishing it from isoform TA-2. This receptor potentially mediates the activation of NF-kappa-B and JNK pathways, suggesting its involvement in signaling cascades associated with immune responses. Additionally, EDAR may play a role in promoting caspase-independent cell death. Its binding to EDARADD and association with key proteins such as TRAF1, TRAF2, TRAF3, and NIK underscore its role in complex signaling networks, emphasizing its significance in cellular processes beyond immune modulation, potentially contributing to cellular survival and programmed cell death mechanisms.
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Caution: Product has not been fully validated for medical applications. For research use only.

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