TRAILR4/TNFRSF10D Protein, Human (HEK293, Fc)

Cat. No.:	HY-P72439
Synonyms:	Tumor necrosis factor receptor superfamily member 10D; DcR2; TRAIL receptor 4; TRAIL-R4; CD264; TNFRSF10D; DCR2; TRAILR4; TRUNDD
Species:	Human
Source:	HEK293
Accession:	Q9UBN6 (A56-H211)
Gene ID:	8793
Molecular Weight:	50-70 kDa

PROPERTIES

AA Sequence	A T I P R Q D E V P Q Q T V A P Q Q Q R R S L K E E E C P A G S H R S E Y T G A C N P C T E G V D Y T I A S N N L P S C L L C T V C K S G Q T N K S S C T T T R D T V C Q C E K G S F Q D K N S P E M C R T C R T G C P R G M V K V S N C T P R S D I K C K N E S A A S S T G K T P A A E E T V T T I L G M L A S P Y H
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	The TRAILR4/TNFRSF10D Protein functions as a receptor for the cytotoxic ligand TRAIL, although it contains a truncated death domain, rendering it incapable of inducing apoptosis. Paradoxically, TRAILR4/TNFRSF10D not only fails to induce apoptosis but also serves a protective role against TRAIL-mediated apoptosis. There is conflicting information regarding its ability to activate the NF-kappa-B pathway, with some studies suggesting that it cannot induce this pathway, while others propose that it has the capability to activate NF-kappa-B. The dual nature of TRAILR4/TNFRSF10D in interacting with TRAIL, both as a receptor and as a protective factor against apoptosis, underscores the complexity of its regulatory functions in cellular responses to TRAIL signaling.

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

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