

TRAILR4/TNFRSF10D Protein, Rhesus Macaque (HEK293, His)

Cat. No.:	HY-P76865
Synonyms:	Tumor necrosis factor receptor superfamily member 10D; DcR2; TRAIL-R4; CD264; TRUNDD
Species:	Rhesus Macaque
Source:	HEK293
Accession:	XP_001107922 (A56-L206)
Gene ID:	716901
Molecular Weight:	Approximately 17.3 kDa.

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
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.
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	TRAILR4/TNFRSF10D functions as a receptor for the cytotoxic ligand TRAIL, although it contains a truncated death domain, rendering it incapable of inducing apoptosis. Paradoxically, TRAILR4 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 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 ^{[1][2][3]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

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