

## TNFRSF10D

# Recombinant Human Decoy Receptor 2 / TRAIL R4 / CD264 (His & Fc Tag)

<b>Catalog No.</b>	CRH476A-HisFc CRH476B-HisFc	<b>Quantity:</b>	100 µg 200 µg
<b>Alternate Names:</b>	Tumor necrosis factor receptor superfamily member 10D, Decoy receptor 2, DcR2, TNF-related apoptosis-inducing ligand receptor 4, TRAIL receptor 4, TRAIL-R4, TRAIL receptor with a truncated death domain, CD264		
<b>Description:</b>	TNF-related apoptosis-inducing ligand receptor 4 (TRAIL-R4) is a member of the TNF-receptor superfamily. This receptor contains an extracellular TRAIL-binding domain, a transmembrane domain, and a truncated cytoplasmic death domain. This receptor does not induce apoptosis, and has been shown to play an inhibitory role in TRAIL-induced cell apoptosis. TRAIL-R4 is widely expressed, in particular in fetal kidney, lung and liver, and in adult testis and liver. TRAIL-R4 is also expressed in peripheral blood leukocytes, colon and small intestine, ovary, prostate, thymus, spleen, pancreas, kidney, lung, placenta and heart. The signaling capacity of TRAIL-R4 is similar to that of TRAIL-R1 and TRAIL-R2 with respect to NF-κB activation, but differs in its inability to induce apoptosis. TRAIL-R4 retains a C-terminal element containing one third of a consensus death domain motif. Transient overexpression of TRAIL-R4 in cells normally sensitive to TRAIL-mediated killing confers complete protection, suggesting that one function of TRAIL-R4 may be inhibition of TRAIL cytotoxicity.		
<b>UniProt ID:</b>	Q9UBN6		
<b>Accession Number:</b>	NP_003831.2		
<b>Protein Construction:</b>	A DNA sequence encoding the extracellular domain (Met 1-His 211) of human TNFRSF10D was fused with the C-terminal His-tagged Fc region of human IgG1 at the C-terminus.		
<b>Source:</b>	HEK293 Cells		
<b>Formulation:</b>	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.		
<b>Molecular Weight:</b>	The recombinant human TNFRSF10D/Fc is a disulfide-linked homodimeric protein after removal of the signal peptide. The reduced monomer consists of 403 amino acids and predicts a molecular mass of 44.7 kDa. As a result of glycosylation, rhTNFRSF10D/Fc monomer migrates with the molecular mass of approximately 65-80 kDa in SDS-PAGE under reducing conditions.		
<b>Purity:</b>	> 98 % as determined by SDS-PAGE		
<b>Endotoxin Level:</b>	< 1.0 EU per µg protein as determined by the LAL method.		
<b>Biological Activity:</b>	Measured by its binding ability in a functional ELISA. Immobilized human TNFRSF10D Fc Chimera at 10 µg/ml (100 µl/well) can bind biotinylated TNFSF10 with a linear range of 0.625-20 ng/ml.		
<b>Predicted N-terminal:</b>	Ala 56		



**Reconstitution:**            **Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial.  
**DO NOT VORTEX.** Allow several minutes for complete reconstitution.

**Storage & Stability:**      Stable for up to 1 year from date of receipt at -20°C to -80°C  
After reconstitution, store working aliquots at -20°C to -80°C.  
**Avoid repeated freeze-thaw cycles.**

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