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TNFRSF10D

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

Catalog No.CRH476A-HisFcQuantity:100 μg

CRH476B-HisFc 200 μg

Alternate Names: 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

Description: 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 cytoplamic 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-kB 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.

UniProt ID: Q9UBN6
Accession Number: NP 003831.2

Protein Construction: 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.

Source: HEK293 Cells

Formulation: Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants

before lyophilization.

Molecular Weight: 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.

Purity: > 98 % as determined by SDS-PAGE

Endotoxin Level: < 1.0 EU per µg protein as determined by the LAL method.

Biological Activity: Measured by its binding ability in a functional ELISA. Immobilized human TNFRSF10D

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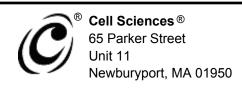
Fc Chimera at 10 µg/ml (100 µl/well) can bind biotinylated TNFSF10 with a linear range

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of 0.625-20 ng/ml.

Predicted N-terminal: Ala 56



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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.

NOT FOR HUMAN USE. FOR RESEARCH ONLY, NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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