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Tnfrsf10b
Recombinant Mouse TRAIL R2 / CD262 / TNFRSF10B (His Tag)

Catalog No.	CRM610A-His CRM610B-His	**Quantity:**	100 µg 200 µg

Alternate Names: Tumor necrosis factor receptor superfamily member 10B, Death receptor 5, MK, CD262

Description: Tumor necrosis factor receptor superfamily, member 10b (CD262) is a member of the TNF-receptor superfamily, and contains an intracellular death domain. This receptor can be activated by tumor necrosis factor-related apoptosis inducing ligand (TNFSF1/TRAIL/APO-2L), and transduces an apoptosis signal. Studies with FADD-deficient mice suggested that FADD, a death domain containing adaptor protein, is required for the apoptosis mediated by this protein. CD262 was purified independently as the only receptor for TRAIL detectable on the surface of two different human cell lines that undergo apoptosis upon stimulation with TRAIL. CD262 contains two extracellular cysteine-rich repeats, typical for TNF receptor (TNFR) family members, and a cytoplasmic death domain. CD262 mediates apoptosis via the intracellular adaptor molecule FADD/MORT1. TRAIL receptors can signal both death and gene transcription, functions reminiscent of those of TNFR1 and TRAMP, two other members of the death receptor family. Defects in CD262 may be a cause of head and neck squamous cell carcinomas.

UniProt ID: Q9QZM4

Accession Number: NP_064671.2

Protein Construction: A DNA sequence encoding the extracellular domain of mouse TNFRSF10B (Met 1-Ser 177) was expressed, with a C-terminal polyhistidine tag.

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 secreted rmTNFRSF10B consists of 136 aa with a predicted MW of 15 kDa and migrates at ~ 25-35 kDa in reduced SDS-PAGE, due to glycosylation.

Purity: > 95 % as determined by SDS-PAGE.

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

Biological Activity: Immobilized mouse TNFRSF10B-His at 10 µg/ml (100 µl/well) can bind biotinylated human TNFSF10, The EC50 of biotinylated human TNFSF10 is 0.16-0.38 µg/ml.

Predicted N-terminal: Asn 53

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.

Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com

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