

Active Recombinant Rat Tnfrsf1a protein(Met1-Ala211), hFc-tagged

Cat. No. Tnfrsf1a-7449R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat TNFRSF1A (P22934) (Met1-Ala211) was expressed in HEK293, fused with the Fc region of Human IgG1 at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	Met1-Ala211
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured by its ability to inhibit TNF α -mediated cytotoxicity in L-929 mouse fibroblast cells in the presence of metabolic inhibitor actinomycin D. The ED50 for this effect is typically 3-30 ng/mL in the presence of 0.05 ng/mL of RatTNF α . 2. Immobilized mouse TNF α (80-235) at 10 μ g/ml (100 μ l/well) can bind Rat TNFRSF1A-Fc, The EC50 of Rat TNFRSF1A-Fc is 0.08-0.20 μ g/ml.
Molecular Mass	The recombinant Rat TNFRSF1A/Fc is a disulfide-linked homodimer. The reduced monomer comprises 431 amino acids and has a predicted molecular mass of 47.9 kDa. The apparent molecular mass of the protein is approximately 59 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per

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	µg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Tnfrsf1a tumor necrosis factor receptor superfamily, member 1a [<i>Rattus norvegicus</i>]
Official Symbol	Tnfrsf1a
Synonyms	TNFRSF1A; tumor necrosis factor receptor superfamily, member 1a; tumor necrosis factor receptor superfamily member 1A; p55; p60; TNF-R1; TNF-RI; TNFR-I; tumor necrosis factor receptor 1; tumor necrosis factor receptor type I; Tnfr1; MGC105478;
Gene ID	25625
mRNA Refseq	NM_013091
Protein Refseq	NP_037223

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