

Active Recombinant Mouse Tnfrsf1a protein, hFc-tagged

Cat. No. Tnfrsf1a-634M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Tnfrsf1a protein(NP_035739.2)(Met1-Ala212), fused with hFc tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Ala212
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized Mouse TNF-alpha at 2 µg/ml (100 µl/well) can bind Mouse TNFRSF1AhFc, the EC50 of Mouse TNFRSF1AhFc is 1.5-9.0 ng/mL.2. Measured by its ability to inhibit the TNFα-mediated cytotoxicity in the L-929 mouse fibroblast cells in the presence of the metabolic inhibitor actinomycin D. The ED50 for this effect is typically 15-65 ng/mL in the presence of 0.1 ng/mL of recombinant mouse TNFα.
Molecular Mass	The secreted recombinant mouse TNFRSF1A/Fc is a disulfide-linked homodimer. The reduced monomer consists of 424 amino acids and has a predicted molecular mass of 47.4 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass

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of rm TNFRSF1A/Fc monomer is approximately 55 kDa due to glycosylation.

Endotoxin < 1.0 EU per 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 \[Mus musculus \]](#)

Official Symbol [Tnfrsf1a](#)

Synonyms TNFRSF1A; tumor necrosis factor receptor superfamily, member 1a; tumor necrosis factor receptor superfamily member 1A; p60; TNF-RI; TNFR-I; TNF-alpha-R1; TNF receptor alpha chain; tumor necrosis factor receptor 1; tumor necrosis factor receptor type I; FPF; p55; TNF-R; TNFAR; TNFRI; Tnfr1; p55-R; CD120a; TNF-R1; TNFR60; Tnfr-2; TNF-R-I; TNF-R55; TNFRp55; TNF-alphaR1; TNFalpha-R1;

Gene ID [21937](#)

mRNA Refseq [NM_011609](#)

Protein Refseq [NP_035739](#)

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