

RP01078

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# Recombinant Mouse TNFRSF1A/TNF-R1/CD120a Protein

Catalog No.: RP01078 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	21937	P25118

### Tags

C-hFc&His

### Synonyms

CD120a;FPF;p55;p55-R;TNF-alphaR1;TNF-R;TNF-R-I;TNF-R1;TNF-R55;TNFalpha-R1;TNFAR;Tnfr-2;Tnfr1;TNFR60;TNFRI;TNFRp55;TNFRSF1A;CD120a;FPF;p55;p55-R;TNF-alphaR1;TNF-R;TNF-R-I;TNF-R1;TNF-R55;TNFalpha-R1;TNFAR;Tnfr-2;Tnfr1;TNFR60;TNFRI;TNFRp55;TNFRSF1A

## Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

## Background

### Basic Information

#### Description

Recombinant Mouse TNFRSF1A/TNF-R1/CD120a Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Ala212) of mouse TNFR1/CD120a/TNFRSF1A (Accession #NP\_035739.2) fused with an Fc, 6×His tag at the C-terminus.

#### Bio-Activity

1. Measured by its binding ability in a functional ELISA. Immobilized Mouse TNF-alpha Protein at 0.5 μg/mL (100 μL/well) can bind Mouse TNFR1 with a linear range of 0.06-15.7 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 ED<sub>50</sub> for this effect is typically 75-300 ng/mL in the presence of 0.1 ng/mL of recombinant mouse TNF-α.

#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Contact

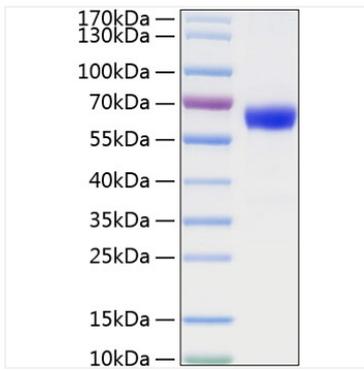
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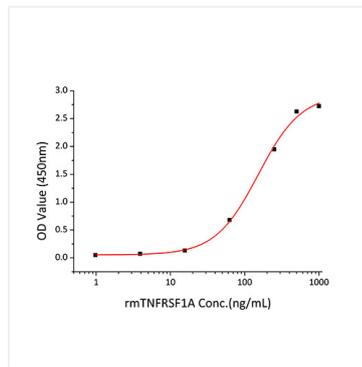
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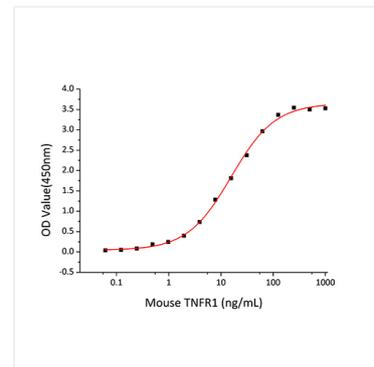
## Validation Data



Recombinant Mouse TNFRSF1A/TNF-R1/CD120a Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Recombinant Mouse TNFRSF1A inhibit the TNF $\alpha$ -mediated cytotoxicity in the L-929 mouse fibroblast cells in the presence of the metabolic inhibitor actinomycin D. The ED<sub>50</sub> for this effect is typically 75-300 ng/mL in the presence of 0.1 ng/mL of recombinant mouse TNF- $\alpha$ .



Immobilized Mouse TNF-alpha Protein at 0.5  $\mu$ g/mL (100  $\mu$ L/well) can bind Mouse TNFR1 with a linear range of 0.06-15.7 ng/mL.