

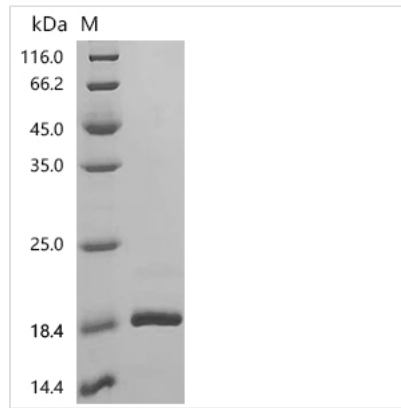


# Recombinant Rat Tumor necrosis factor (Tnf), partial (Active)

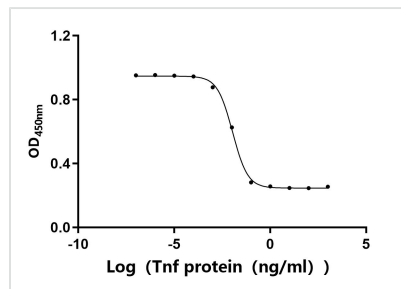
<b>Product Code</b>	CSB-MP325438RA
<b>Abbreviation</b>	Recombinant Rat Tnf protein, partial (Active)
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P16599
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Biological Activity</b>	<p>① Measured in a cytotoxicity assay using L-929 mouse fibroblast cells in the presence of the metabolic inhibitor actinomycin D. The ED50 for this effect is 7.716-15.52 pg/mL.</p> <p>② Measured by its binding ability in a functional ELISA. Immobilized Rat Tnf at 4 µg/mL can bind Human TNFRSF1A(CSB-MP023977HU1). The EC50 is 6.174-7.463 ng/mL.</p> <p>③ Measured by its binding ability in a functional ELISA. Immobilized Rat Tnf at 4 µg/mL can bind Rat Tnfrsf1a(CSB-MP023977RA). The EC50 is 66.99-76.40 ng/mL.</p> <p>④ Human TNFRSF1A(MP023977HU1) captured on Protein A Chip can bind Recombinant Rat Tnf with an affinity constant of 0.139 nM as detected by MetaSPR Assay (WeSPRTM 200).</p>
<b>Purity</b>	Greater than 95% as determined by SDS-PAGE.
<b>Sequence</b>	LRSSSQNSSDKPVAHVVANHQAEEQLEWLSQRANALLANGMDLKDNLVVP ADGLYLIYSQVLFGKGGCPDYVLLTHTVSRFAISYQEKVSLLSAIKSPCKDTPE GAELKPWYEPMYLGGVFQLEKGDLLSAEVNLPKYLDITESGQVYFGVIAL
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Tnf
<b>Expression Region</b>	80-235aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	C-terminal 10xHis-tagged
<b>Mol. Weight</b>	18.7 kDa
<b>Protein Length</b>	Partial



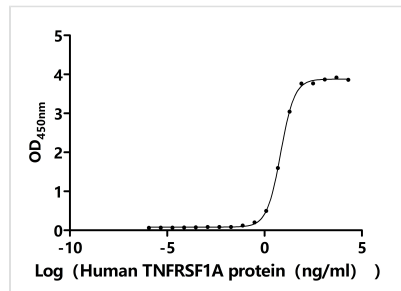
**Image**



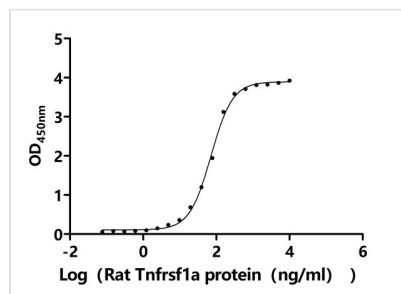
(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



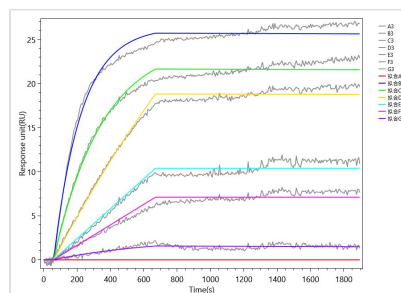
**Activity**  
Measured in a cytotoxicity assay using L-929 mouse fibroblast cells in the presence of the metabolic inhibitor actinomycin D. The ED<sub>50</sub> for this effect is 7.716-15.52 pg/mL.



**Activity**  
Measured by its binding ability in a functional ELISA. Immobilized Rat Tnf at 4 µg/mL can bind Human TNFRSF1A(CSB-MP023977HU1). The EC50 is 6.174-7.463 ng/mL.



**Activity**  
Measured by its binding ability in a functional ELISA. Immobilized Rat Tnf at 4 µg/mL can bind Rat Tnfrsf1a(CSB-MP023977RA). The EC50 is 66.99-76.40 ng/mL.



**Activity**  
Human TNFRSF1A(MP023977HU1) captured on Protein A Chip can bind Recombinant Rat Tnf with an affinity constant of 0.139 nM as detected by MetaSPR Assay (WeSPRTM 200).

**Endotoxin**

Less than 1.0 EU/ug as determined by LAL method.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.