


## Mouse TNF beta Protein, His tag (Animal-Free)

Cat #: PRP1174

Size: 5 µg/20 µg/100 µg/1 mg

### Product Information

	<b>Product Name:</b> Mouse TNF beta Protein, His tag (Animal-Free)		
<b>REF</b>	<b>Catalog Number:</b> PRP1174	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Purity:</b> > 98 % as determined by SDS-PAGE		
	<b>Storage:</b> Store at -20°C		<b>Preparation method:</b> E.coli
	<b>Shipping:</b> The product is shipped at ambient temperature.		

**Background:** Tumor Necrosis Factor (TNF) is a member of the Tumor Necrosis Factor family. TNF exists as a homotrimer and interacts with SPPL2B. TNF is mainly secreted by macrophages and can induce cell death of certain tumor cell lines. TNF is a key cytokine in the development of several inflammatory disorders. It contributes to the development of type 2 diabetes through its effects on insulin resistance and fatty acid metabolism.

**Sequence:** Amino acid sequence derived from Mouse TNF beta (Leu 34-Leu 202) (P09225) was expressed with 6×His tag at the N-terminus.

**Protein length:** The recombinant Mouse TNF beta consists of 169 amino acids and predicts a molecular mass of 19.36 kDa.

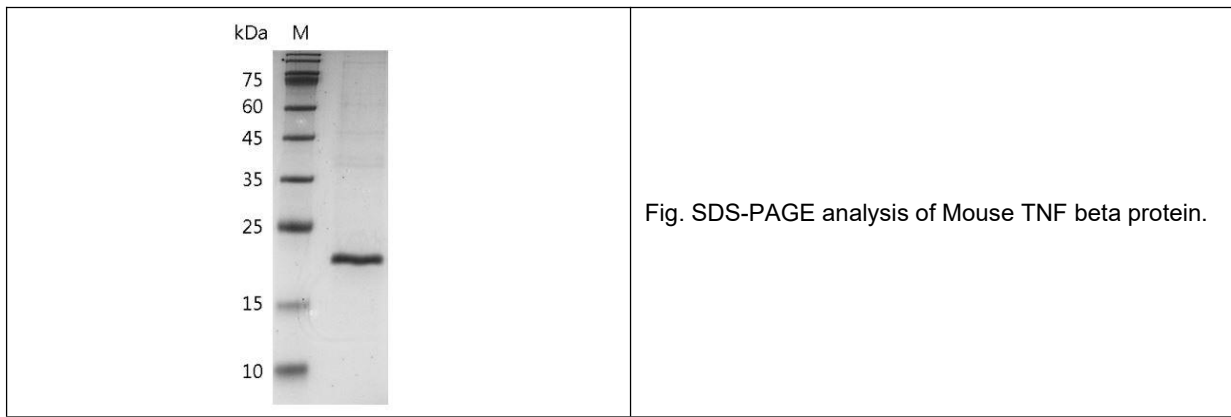
**Biological Activity:** Measured by its ability to induce cytotoxicity in L929 cells in the presence of vactinomycin D. The ED<sub>50</sub> for this effect is <30 ng/mL.

**Endotoxin:** <0.1 EU per 1 µg of the protein by the LAL method.

**Formulation:** Lyophilized from PBS, pH 8.0.

**Storage Instructions:** Lyophilized protein product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (5% HSA, 10%FBS or 0.1%BSA). Please prevent freeze-thaw cycles.

**Usage notes:** Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant protein to a concentration of 0.1-1 mg/mL using the buffer we provided, and keep at room temperature for at least 20 min to fully dissolve. Please avoid vortex vigorously.



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