

# Product Datasheet

## Recombinant Mouse TNF-alpha Protein NBP2-35185-5ug

Unit Size: 5ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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### Publications: 2

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**NBP2-35185-5ug**

## Recombinant Mouse TNF-alpha Protein

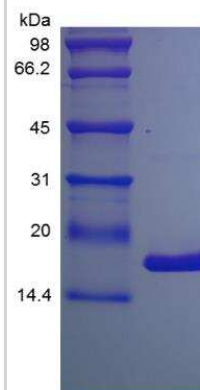
Product Information	
Unit Size	5ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.
Purity	> 98 % pure by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered solution in PBS, pH 7.2.
Target Molecular Weight	17.4 kDa

Product Description	
Description	<p>A soluble 157 amino acid protein which corresponds to C-terminal extracellular domain of the full length transmembrane protein corresponding to TNF-alpha  <b>Source:</b> <i>E. coli</i></p> <p><b>Uniprot ID:</b> <i>P06804</i></p> <p><b>Amino Acid Sequence:</b> <i>MLRSSSQNSS DKPVAHVVAN HQVEEQLEWL SQRANALLAN GMDLKDNQLV VPADGLYLVY SQVLFKGQGC PDYVLLTHTV SRFAISYQEK VNLLSAVKSP CPKDTPEGAE LKPWYEPIYL GGVFQLEKGD QLSAEVNLPK YLDFAESGQV YFGVIAL</i></p>
Gene ID	7124
Gene Symbol	TNF
Species	Mouse
Details of Functionality	TNF alpha Protein is fully biologically active when compared to standard. The ED50 as determined by a cytotoxicity assay using murine L929 cells is less than 0.1 ng/ml, corresponding to a specific activity of > 1.0 x 10 <sup>7</sup> IU/mg in the presence of actinomycin D.
Endotoxin Note	Less than 1 EU/ug of TNF-alpha as determined by LAL method.

Product Application Details	
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity

## Images

SDS-Page: Mouse TNF-alpha Protein [NBP2-35185]



## Publications

Nguyen TT, Pham DV, Park J et al. Engineering of hybrid spheroids of mesenchymal stem cells and drug depots for immunomodulating effect in islet xenotransplantation *Science advances* 2022-08-26 [PMID: 36001671]

Details:

Dilutions: 1:300

He JH, Liu RP, Peng YM et al. Differential and paradoxical roles of new-generation antidepressants in primary astrocytic inflammation *Journal of Neuroinflammation* 2021-02-18 [PMID: 33602262] (Rat)



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### **Products Related to NBP2-35185-5ug**

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NBP2-35076-10ug	Recombinant Human TNF-alpha Protein
M6000B-1	IL-6 [HRP]
210-TA-005	TNF-alpha [Unconjugated]
201-LB-005	IL-1 beta/IL-1F2 [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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