

# Product Datasheet

## Recombinant Human TNF-alpha Variant Protein NBP2-35082-10ug

Unit Size: 10ug

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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**NBP2-35082-10ug**

## Recombinant Human TNF-alpha Variant Protein

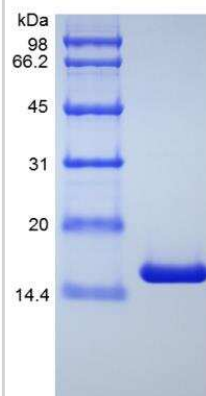
Product Information	
Unit Size	10ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge 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 concentrated solution in PBS, pH 7.0.
Target Molecular Weight	16.9 kDa

Product Description	
Description	<p>A single non-glycosylated polypeptide chain containing 151 amino acids corresponding to TNF-alpha. Compared with the wild-type, this protein has an amino acid sequence deletion from 1-7, and the following amino acid substitutes: Arg8, Lys9, Arg10 and Phe157 which is proven to have more activity and with less inflammatory side effect in vivo <b>Source:</b> <i>E. coli</i></p> <p><b>Uniprot ID:</b> P01375</p> <p><b>Amino Acid Sequence:</b> MRKRKPVAVH VANPQAEGQL QWLNRRANAL LANGVELRDN QLVVPSEGLY LIYSQVLFKG QGCPSTHVLL THTISRIAVS YQTKVNLLSA IKSPCQRETP EGAEAKPWYE PIYLGGVFQL EKGDRLSAEI NRPDYLDFAE SGQVYFGIIA F</p>
Gene ID	7124
Gene Symbol	TNF
Species	Human
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 0.01 ng/ml, corresponding to a specific activity of > 1.0 x 10 <sup>8</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: Human TNF-alpha Variant Protein [NBP2-35082]





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### **Products Related to NBP2-35082-10ug**

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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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