

Product Datasheet

Recombinant Human TNF-alpha Protein NBP2-35076-10ug

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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NBP2-35076-10ug

Recombinant Human TNF-alpha Protein

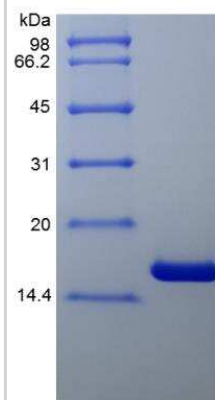
Product Information	
Unit Size	10ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge 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 20 mM PB, 10 mM Nacl, pH 7.0.
Target Molecular Weight	17.5 kDa

Product Description	
Description	A single non-glycosylated polypeptide chain containing 158 amino acids corresponding to TNF-alpha Source: <i>E. coli</i> Uniprot ID: P01375 Amino Acid Sequence: MVRSSSRTPS DKPVAHVVAN PQAEGQLQWL NRRANALLAN GVELRDNQLV VPSEGLYLIY SQVLFKGQGC PSTHVLLTHT ISRIAVSYQT KVNLLSAIKS PCQRETPEGA EAKPWYEPIY LGGVVFQLEKG DRLSAEINRP DYLDFAESGQ VYFGIIAL
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 0.05 ng/ml, corresponding to a specific activity of > 2.0 x 10 ⁷ IU/mg in the presence of actinomycin D.
Endotoxin Note	Less than 1.0 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 Protein [NBP2-35076]



Publications

Gong P, Ding Y, Sun R et al. Mesenchymal stem cells alleviate systemic sclerosis by inhibiting the recruitment of pathogenic macrophages *Cell death discovery* 2022-11-26 [PMID: 36435837]

Zhu M, Chu Y, Shang Q et al. Mesenchymal stromal cells pretreated with pro-inflammatory cytokines promote skin wound healing through VEGFC-mediated angiogenesis *Stem Cells Transl Med* 2020-06-13 [PMID: 32534464] (Human)

Zhang J, Niu H, Zhao Z et al. CRISPR/Cas9 Knockout of Bak Mediates Bax Translocation to Mitochondria in response to TNFalpha/CHX-induced Apoptosis *BioMed Research International* Sep 17 2019 12:00AM [PMID: 31637258] (Flow, WB, KD, Human)

Liu Z, Li H, Hong C et al. ALS-Associated E478G Mutation in Human OPTN (Optineurin) Promotes Inflammation and Induces Neuronal Cell Death *Front Immunol* 2018-11-14 [PMID: 30519240] (Bioactivity, Human)

Yin-he Feng, Hui Mao. Expression and preliminary functional analysis of Siglec-F on mouse macrophages. *J Zhejiang Univ Sci B* 2012-05-01 [PMID: 22556177]

Min Huang, Pei-Wun Yao, Margaret Dah-Tysr Chang, Sim-Kun Ng. Identification of anti-inflammatory fractions of *Geranium wilfordii* using tumor necrosis factor-alpha as a drug target on Herbochip(R) - an array-based high throughput screening platform.. *BMC Complement Altern Med* 2015-05-12 [PMID: 25963543]



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Products Related to NBP2-35076-10ug

NBP2-35185-5ug	Recombinant Mouse 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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