

Product Datasheet

Recombinant Human TNF-alpha Protein NBC1-21356-0.050mg

Unit Size: 0.05 mg

Store at -80C. Avoid freeze-thaw cycles.

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NBC1-21356-0.050mg

Recombinant Human TNF-alpha Protein

Product Information	
Unit Size	0.05 mg
Concentration	Lyoph
Storage	Store at -80C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Reconstitute with deionized water.
Buffer	Sterile filtered through a 0.2 um filter.PBS, pH 7.2.

Product Description	
Description	A biologically active recombinant protein with a 16 residue His tag and corresponding to 174 total residues of TNF. Source: <i>E. coli</i> The recombinant protein migrates as two bands with an apparent molecular mass of 21 and 23 kDa in SDS-PAGE.
Gene ID	7124
Gene Symbol	TNF
Species	Human
Reactivity Notes	Human Recombinant protein
Specificity/Sensitivity	NovActiverecombinant human TNF-alpha is produced in the endosperm tissue of barley grain (<i>Hordeum vulgare</i>), that exhibits up to 50 times less protease activity than <i>E.coli</i> or mammalian cells. Barley seed is void of any human or animal viral contaminants that could jeopardize your cell culture.

Product Application Details	
Applications	Western Blot, Functional, Block/Neutralize, Bioactivity
Recommended Dilutions	Western Blot, Functional, Bioactivity, Block/Neutralize
Application Notes	This protein is functionally active and can be added to cell culture without the need to remove any Bioactive molecules. Can also be used for Western Blot. The ED50 is determined by the Cytotoxicity Assay for the human-TNF- alpha for dose-dependent cytolytic effects of serial dilutions of h-TNF-alpha on the fibrosarcoma L-929 cells. The ED50 for this NovActive recombinant human TNF-alpha lot was determined to 40 ng/ml corresponding to 2.5*10 ⁶ U/mg. Endotoxin level is less than 0.005ng per ug of NovActive product (0.05EU/ug) as measured by turbidimetric kinetic assay.

Publications

Iankov ID, Allen C, Federspiel MJ, Myers RM, Peng KW, Ingle JN, Russell SJ, Galanis E. Expression of Immunomodulatory Neutrophil-activating Protein of *Helicobacter pylori* Enhances the Antitumor Activity of Oncolytic Measles Virus. *Mol Ther*. doi: 10.1038/mt.2012.4. 2012-02-14 [PMID: 22334023]





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 1 year from date of receipt.

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