Product Datasheet

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

Unit Size: 10ug
Store at -20C. Avoid freeze-thaw cycles.

Publications: 3
Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-35076

Updated 7/28/2019 v.20.1
NBP2-35076-10ug
Recombinant Human TNF-alpha Protein

Product Information

<table>
<thead>
<tr>
<th>Unit Size</th>
<th>10ug</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concentration</td>
<td>Lyoph</td>
</tr>
<tr>
<td>Storage</td>
<td>Store at -20C. Avoid freeze-thaw cycles.</td>
</tr>
<tr>
<td>Preservative</td>
<td>No Preservative</td>
</tr>
<tr>
<td>Reconstitution Instructions</td>
<td>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. Apportion stock solutions into working aliquots and store at &lt;-20C.</td>
</tr>
<tr>
<td>Purity</td>
<td>&gt; 98 % pure by SDS-PAGE and HPLC</td>
</tr>
<tr>
<td>Buffer</td>
<td>Lyophilized from a 0.2 um filtered concentrated solution in 20 mM PB, 10 mM Nacl, pH 7.0.</td>
</tr>
<tr>
<td>Target Molecular Weight</td>
<td>17.5 kDa</td>
</tr>
</tbody>
</table>

Product Description

Description
A single, non-glycosylated biologically active polypeptide chain corresponding to 158 residues of TNF.

Source: E. coli

Amino Acid Sequence: MVRSSRTPS DKPVAHVVAN PQAEGQLQWL NRRANALLAN GVELRDQVLVPSEGLYLYIQVQFLKGGQG PSTHVVLTHT ISRIAVSYQT KVNLSAIKS PCQRETPEGAEAKPWYEPIY LGGVFQLEKG DRLSAEINRP DYLDFAESGQ VYFGIAL

Gene ID
7124

Gene Symbol
TNF

Species
Human

Preparation Method
Novus' biologically active proteins are stringently purified to provide only the safest and most highly effective proteins available. This protein was expressed in E. coli, purified by HPLC, QC tested by SDS-PAGE and Western Blot and validated on appropriate cell lines for bioactivity. All HPLC and bioactivity data is provided for your assurance.

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.

Notes
This lyophilized preparation is stable at 2-8 degrees C, but should be kept at -20 degrees C for long term storage, preferably desiccated. Upon reconstitution, the preparation is most stable at -20 to -80 degrees C, and can be stored for one week at 2-8 degrees C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 degrees C to -80 degrees C. Avoid repeated freeze/thaw cycles.

Endotoxin Note
Less than 1 EU/ug of endotoxin as determined by LAL method.

Product Application Details

Applications
Functional, SDS-Page, Bioactivity
## Images

SDS-Page: Human TNF-alpha Protein [NBP2-35076]

![Image of SDS-Page for Human TNF-alpha Protein](image-url)

## Publications


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 May 12 [PMID: 25963543]
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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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