

# Product Datasheet

## Recombinant Human TNF-alpha Protein NBP2-26515-0.05mg

Unit Size: 0.05 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-26515-0.05mg****Recombinant Human TNF-alpha Protein**

<b>Product Information</b>	
<b>Unit Size</b>	0.05 mg
<b>Concentration</b>	Lyoph
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Reconstitute with sterilized 18 M omega-cm water to a final concentration of at least 0.1 mg/ml.
<b>Purity</b>	>95%, by SDS-PAGE
<b>Buffer</b>	Lyophilized from 20mM PB, pH 7.2, and 100 mM NaCl.
<b>Target Molecular Weight</b>	17.5 kDa

<b>Product Description</b>	
<b>Description</b>	<p>Recombinant biologically active TNF-alpha protein.</p> <p><b>Source:</b> <i>E. coli</i></p> <p><b>Amino Acid Sequence:</b>  MVRSSSRTPSDKPVAVHVVANPQAEGLQWLNRRANALLANGVELRDNQLVVP  SEGLYLIYSQVLFGQGCPSTHVLLTHTISRIAVSYQTKVNLLSAIKSPCQRETP  EGAEAKPWYEPIYLGGVFQLEKGDRLSAEINRPDYLDFAESGQVYFGIIAL</p>
<b>Gene ID</b>	7124
<b>Gene Symbol</b>	TNF
<b>Species</b>	Human
<b>Details of Functionality</b>	Recombinant Tumor Necrosis Factor-alpha is fully biologically active when compared to standard. The ED50 as determined by the cytolysis of murine L929 cells in the presence of Actinomycin D is less than 0.05 ng/ml, corresponding to a Specific Activity of $5 \times 10^7$ IU/mg.
<b>Notes</b>	After reconstitution, store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Endotoxin Note</b>	Less than 0.1 ng/ug (IEU/ug) of TNF-alpha.

<b>Product Application Details</b>	
<b>Applications</b>	Bioactivity
<b>Recommended Dilutions</b>	Bioactivity





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA

Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
novus@novusbio.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada

Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: technical@novusbio.com  
Orders: orders@novusbio.com  
General: novus@novusbio.com

### **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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