

## Product Datasheet

### Human TNF protein (orb624131)

<b>Description</b>	Recombinant Human Tumor necrosis factor protein
<b>Endotoxins</b>	Not test.
<b>Preservatives</b>	Lyophilized from 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
<b>Form/Appearance</b>	Lyophilized powder
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Tag</b>	N-terminal 6xHis-tagged
<b>Note</b>	For research use only
<b>Application notes</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Protein Sequence</b>	VRSSSRTPSDKPVAVHVVANPQAEGQLQWLNRRANALLANGVELRDNQLVVPSEGLYLIYS QVLFKGGQCPSTHVLLTHTISRIVSYQTKVNLLSAIKSPCQRETPEGAEAKPWYEPIYLGGV FQLEKGDRLSAEINRPDYLDFAESGQVYFGIIAL
<b>Biologically Active?</b>	Yes
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized Human TNF at 5 µg/mL can bind Human TNFR2 protein (CSB-MP023978HU2). The EC50 is 3.470-4.107 ng/mL.
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Source</b>	Yeast

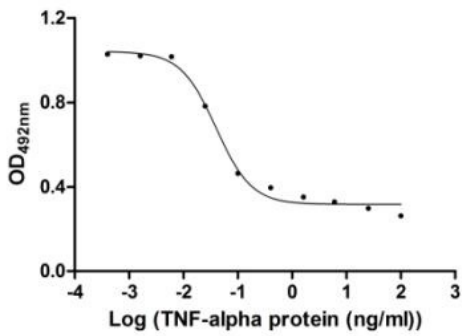
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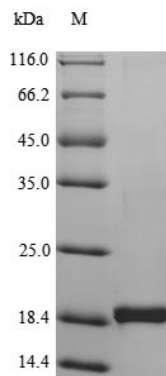
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<b>MW</b>	19.4 kDa
<b>Uniprot ID</b>	<b>P01375</b>
<b>Expiration Date</b>	6 months from date of receipt.



The Biological Activity of TNF



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**Biorbyt Ltd.**

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