

Product Datasheet

Recombinant Human Tumor necrosis factor (TNF) Protein (orb624131)

Catalog Number	orb624131
Category	Proteins
Description	This Recombinant Human Tumor necrosis factor (TNF) Protein spans the amino acid sequence from region 77-233aa. Purity: Greater than 90% as determined by SDS-PAGE.
Tag	N-terminal 6xHis-tagged
Form/Appearance	Liquid or Lyophilized powder
Buffer/Preservatives	Lyophilized from 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0; Tris-based buffer, 50% glycerol
Purity	Greater than 90% as determined by SDS-PAGE.
Protein Sequence	VRSSSRTPSDKPVAVHVVANPQAEGQLQWLNRRANALLANGVELRDNQLVVPSEGLYLIYS QVLFKGGQCPSTHVLLTHTISRIAVSYQTKVNLLSAIKSPCQRETPEGAEAKPWYEPIYLGGV FQLEKGDRLSAEINRPDYLDFAESGQVYFGIIL
Protein Length	Partial
UniProt ID	P01375
MW	19.4 kDa
Application notes	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.

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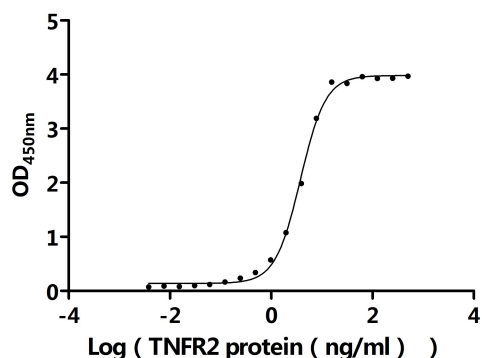
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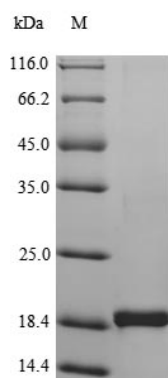
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Source	Yeast
Biological Origin	Homo sapiens (Human)
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human TNF at 5 µg/mL can bind Human TNFR2 protein. The EC50 is 3.470-4.107 ng/mL.
Expression Region	77-233aa
Storage	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.
Note	For research use only
Expiration Date	6 months from date of receipt.



Measured by its binding ability in a functional ELISA. Immobilized Human TNF at 5 µg/ml can bind Human TNFR2 protein. The EC50 is 3.470-4.107 ng/mL.



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

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