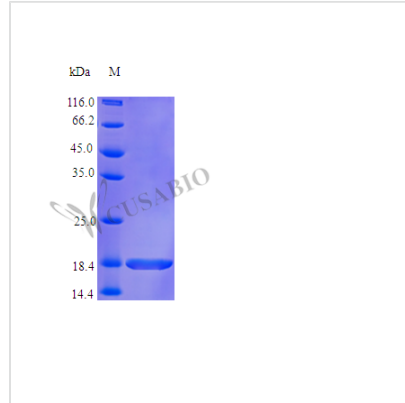




# Recombinant Human Tumor necrosis factor protein (TNF), partial (Active)

<b>Product Code</b>	CSB-AP002141HU
<b>Abbreviation</b>	Recombinant Human TNF protein, partial (Active)
<b>Uniprot No.</b>	P01375
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 m filtered PBS, pH 7.0
<b>Product Type</b>	Tumor Necrosis Factor
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Biological Activity</b>	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 $>2.0 \times 10^7$ IU/mg in the presence of actinomycin D.
<b>Purity</b>	$>97\%$ as determined by SDS-PAGE.
<b>Sequence</b>	MHHHHHH+VRS SSRTPSDKPV AHVVANPQAE GQLQWLNRRR NALLANGVEL RDNQLVVPSE GLYLIYSQVL FKGQGCPSTH VLLTHTISRI AVSYQTKVNL LSAIKSPCQR ETPEGAEAKP WYEPIYLGCV FQLEKGDRLS AEINRPDYLD FAESGQVYFG IIAL
<b>Research Area</b>	Cancer
<b>Source</b>	E.coli
<b>Target Names</b>	TNF
<b>Expression Region</b>	77-233aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	18.3 kDa
<b>Protein Length</b>	Partial
<b>PubMed ID</b>	3555974; 6392892; 3883195; 2995927; 3856324; 3932069; 8499947; 10202016; 14656967; 15489334; 8631363; 8597870; 10205166; 2009860; 1402651; 9034191; 10369255; 16829952; 16829951; 22517918; 23396208; 2922050; 1964681; 2551905; 9488135; 9442056; 12746914; 12

## Image


**Endotoxin**

Less than 1.0 EU/μg as determined by LAL method.

**Reconstitution**

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.

**Shelf Life**

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.