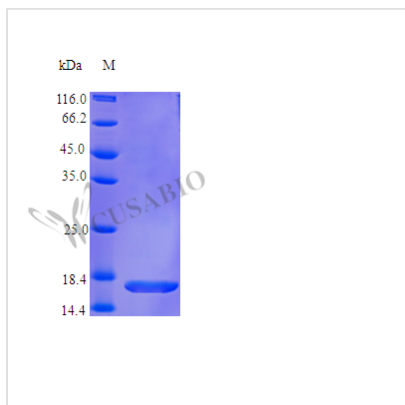




Recombinant Human Tumor necrosis factor protein (TNF), partial (Active)

Product Code	CSB-AP002161HU
Abbreviation	Recombinant Human TNF protein, partial (Active)
Uniprot No.	P01375
Storage Buffer	Lyophilized from a 0.2 µm filtered 20 mM PB, 10 mM NaCl, pH 7.0
Product Type	Tumor Necrosis Factors
Immunogen Species	Homo sapiens (Human)
Biological Activity	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.
Purity	$>98\%$ as determined by SDS-PAGE.
Sequence	M+VRSSSRTPS DKPVAHVVAN PQAEGQLQWL NRRANALLAN GVELRDNQLV VPSEGLYLIY SQVLFKGQGC PSTHVLLTHT ISRIAVSYQT KVNLLSAIKS PCQRETPEGA EAKPWYEPIY LGGVFQLEKG DRLSAEINRP DYLDFAESGQ VYFGIIAL
Research Area	Cancer
Source	E.Coli
Target Names	TNF
Expression Region	77-233aa
Tag Info	Tag-Free
Mol. Weight	17.5 kDa
Protein Length	Partial
PubMed ID	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/ μ g as determined by LAL method.

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.