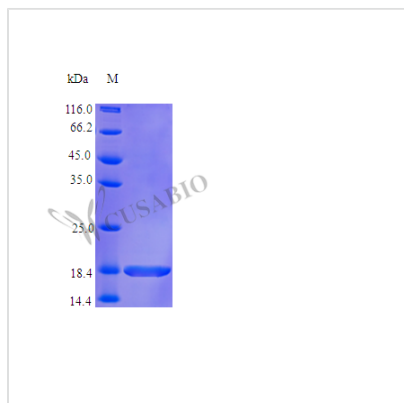




# Recombinant Human Lymphotoxin-alpha protein (LTA) (Active)

<b>Product Code</b>	CSB-AP002171HU
<b>Abbreviation</b>	Recombinant Human LTA protein (Active)
<b>Uniprot No.</b>	P01374
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered PBS, pH7.4, with 0.02 % Tween-20
<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 5 pg/ml, corresponding to a specific activity of $>2.0 \times 10^8$ IU/mg in the presence of actinomycin D.
<b>Purity</b>	>96% as determined by SDS-PAGE.
<b>Sequence</b>	LPGVGLTPSA AQTARQHPKM HLAHSTLKPA AHLIGDPSKQ NSLLWRANTD RAFLQDGFSL SNNLLVPTS GIYFVYSQVV FSGKAYSPKA TSSPLYLAHE VQLFSSQYPF HVPLLSSQKM VYPGLQEPWL HSMYHGAAFQ LTQGDQLSTH TDGIPHLVLS PSTVFFGAFAL
<b>Research Area</b>	Signal Transduction
<b>Source</b>	E.coli
<b>Target Names</b>	LTA
<b>Expression Region</b>	35-205aa
<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>	Tag-Free
<b>Mol. Weight</b>	18.7 kDa
<b>Protein Length</b>	Full Length of Mature Protein
<b>PubMed ID</b>	3555974; 3001109; 3536896; 6334807; 1353024; 8499947; 10202016; 14656967; 15489334; 1451807; 1733919; 8387891; 1670638; 1671667; 12746914; 17353895

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.