

Recombinant Human Lymphotoxin Alpha (TNF superfamily, member 2), His-tagged

Cat. No. LTA-5068H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Human
Product Overview	Recombinant LTApotein was expressed in E. coli and purified by using conventional chromatography techniques.
Description	LTA, a member of the tumor necrosis factor family, is a cytokine produced by lymphocytes. The protein is highly inducible, secreted, and forms heterotrimers with lymphotoxin-beta which anchor lymphotoxin-alpha to the cell surface. This protein also mediates a large variety of inflammatory, immunostimulatory, and antiviral responses, is involved in the formation of secondary lymphoid organs during development and plays a role in apoptosis.
Concentration	0.5 mg/ml
Form	Supplied as a liquid in 20mM Tris-HCl buffer, pH 8.0, containing 30% glycerol, 0.1M NaCl, and 1mM DTT.
Purity	> 90% by SDS -PAGE
Sequence	35-205 amino acids: MGSSHHHHHH SSGLVPRGSH MLPGVGLTPS AAQTARQHPK

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MHLAHSTLKP AAHLIGDPSK QNSLLWRANTDRAFLQDGFS LSNNSSLVPT
SGIYFVYSQV VFSGKAYSPK ATSSPLYLAH EVQLFSSQYP
FHVPLLSSQKMOVYPGLQEPW LHSMYHGAAF QLTQGDQLST HTDGIPHLVL
SPSTVFFGAF AL

Molecular Mass	20.9 kDa(192aa), confirmed by MALDI-TOF.
Applications	SDS-PAGE
Storage	Store at 4 deg C for short term storage (1/2 weeks). Aliquot and store at -20 deg C or -70 deg C for long term storage. Avoid repeated freeze/thaw cycles.
Official Symbol	LTA

GENE INFORMATION

Gene Name	LTAllymphotoxin alpha (TNF superfamily, member 1) [Homo sapiens]
Synonyms	LTA; lymphotoxin alpha (TNF superfamily, member 1); LT; TNFB;TNFSF1; lymphotoxin-alpha; LT-alpha; TNF-beta; OTTHUMP00000029184;OTTHUMP00000165897; tumor necrosis factor beta; tumor necrosis factor ligandsuperfamily member 1
Gene ID	4049
mRNA Refseq	NM_000595
Protein Refseq	NP_000586
MIM	153440

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UniProt ID	P01374
Chromosome Location	6p21.3
Pathway	Apoptosis;Cytokine-cytokine receptor interaction; HTLV-I infection; Herpes simplexinfection; IL2 signaling events mediated by STAT5; IL4-mediated signaling events;Type I diabetes mellitus
Function	cytokineactivity; receptor binding; tumor necrosis factor receptor binding
PDBrendering based on 1tnr.	