

## Recombinant Human LTA, His-tagged

Cat. No. LTA-31534TH Lot. No. (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant Human TNF-beta, expressed in (BTI-Tn-5B1-4) High-5 Insect Cells. This is an 18.6 kDa protein containing 172 amino acid residues. (Due to glycosylation, TNF-beta has an approximate molecular weight of 19.3 kDa.)   |
| <b>Species</b>          | Human  |
| <b>Description</b>      | The encoded protein, 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. Genetic variations in this gene are associated with susceptibility to leprosy type 4 and psoriatic arthritis. |
| <b>Conjugation</b>      | HIS  |
| <b>Form</b>             | Lyophilised: Centrifuge the vial prior to opening. Reconstitute in water to a concentration of °C for 1 week or -20°C for future use.  |
| <b>Purity</b>           | >95% by SDS-PAGE   |
| <b>Storage buffer</b>   | Preservative: None Endotoxin level is less than 0.1 ng per µg (1EU/µg).  |
| <b>Storage</b>          | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.  |

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**Sequences of amino acids**  
 GVGLTPSAAQ TARQHPKMHL AHSTLKPAAH LIGDPSKQNS LLWRANTDRA  
 FLQDGFSLSN NSLLVPTSGI YFVYSQVVFS GKAYSPKATS SPLYLAHEVQ  
 LFSSQYPFHV PLLSSQKMVY PGLQEPWLHS MYHGAAFQLT QGDQLSTHTD  
 GIPHLVLSPS TVFFGAFAL

**Sequence Similarities**  
 Belongs to the tumor necrosis factor family.

## GENE INFORMATION

**Gene Name** LTA lymphotoxin alpha (TNF superfamily, member 1) [ Homo sapiens ]

**Official Symbol** LTA

**Synonyms** LTA; lymphotoxin alpha (TNF superfamily, member 1); TNFB; lymphotoxin-alpha; LT; TNFSF1;

**Gene ID** 4049

**mRNA Refseq** NM\_000595

**Protein Refseq** NP\_000586

**MIM** 153440


**Uniprot ID** P01374

**Chromosome Location** 6p21.3

**Pathway** Apoptosis, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved

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biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem;

**Function**

cytokine activity; receptor binding; tumor necrosis factor receptor binding;

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