

Recombinant Human LTA, His-tagged

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

SPECIFICATION

Product Overview	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.)
Species	Human
Description	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.
Conjugation	HIS
Form	Lyophilised: Centrifuge the vial prior to opening. Reconstitute in water to a concentration of °C for 1 week or -20°C for future use.
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Endotoxin level is less than 0.1 ng per µg (1EU/µg).
Storage	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 YFVYSQVVS GKAYSPKATS SPLYLAHEVQ LFSSQYPFHV PLLSSQKMVY PGLQEPWLHS MYHGAAFQLT QGDQLSTHTD GIPHLVLSPS TVFFGAFAL
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Sequence Similarities	Belongs to the tumor necrosis factor family.
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GENE INFORMATION

Gene Name	LTA lymphotoxin alpha (TNF superfamily, member 1) [Homo sapiens]
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Official Symbol	LTA
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Synonyms	LTA; lymphotoxin alpha (TNF superfamily, member 1); TNFB; lymphotoxin-alpha; LT; TNFSF1;
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Gene ID	4049
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mRNA Refseq	NM_000595
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Protein Refseq	NP_000586
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MIM	153440
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Uniprot ID	P01374
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Chromosome Location	6p21.3
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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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