Recombinant Human LTA, His-tagged

Cat. No. LTA-31536TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length mature Human TNF beta with His tag, produced in the endosperm tissue of barley grain ; 187 amino acids with tag, Predicted MWt 20.8 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
Biological activity	Bioactivity:The ED50 is determined by the Cytotoxicity Assay for Human TNF beta for dose-dependent cytolytic effects of serial dilutions of hTNF beta on the fibrosarcoma L-929 cells.The ED50 lies in the range of 1.0-1.6 ng/ml corresponding to 1.0-0.6 x106
Form	Lyophilised:Reconstitute the lyophilized protein in sterile water to a concentration of no less than 100 µg/ml. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
Purity	>95% by SDS-PAGE

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Storage buffer	Preservative: NoneConstituents: PBS, pH 7.2
Storage	The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20°C.
Sequence Similarities	Belongs to the tumor necrosis factor family.
Full Length	Full L.

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

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