

Recombinant Human lymphotoxin alpha Protein, Tag Free

Cat. No. LTA-145H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human LTA protein (P01374) (Leu 35-Leu 205) without tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	35-205aa
Description	Lymphotoxin-alpha (LT-alpha), also known as Tumor Necrosis Factor-beta (TNF-beta), is a member of the TNF Superfamily. Human LT-alpha/TNF-beta is a 22 kDa protein that shares 73% amino acid sequence identity with mouse and rat LT-alpha/TNF-beta. Secreted LT-alpha forms homotrimers that bind and activate TNF RI/TNFRSF1A, TNF RII/TNFRSF1B, and HVEM/TNFRSF14. LT-alpha/TNF-beta also forms heterotrimers with plasma membrane-localized LT-beta to bind and activate the LT-beta R/TNFRSF3. In addition to its cytotoxic action on tumor cells, LT-alpha/TNF-beta mediates lymph node development, inflammation, and immune function. LT-alpha/TNF-beta is expressed in activated T- and B lymphocytes and contributes to autoimmune disease.
Tag	Non
Molecular Mass	19 kDa
Endotoxin	Less than 1.0 EU/μg by the LAL method.

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Purity	>95% as determined by SDS-PAGE.
Storage	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
Reconstitution	Reconstitute at 250 µg/mL in sterile water.

GENE INFORMATION

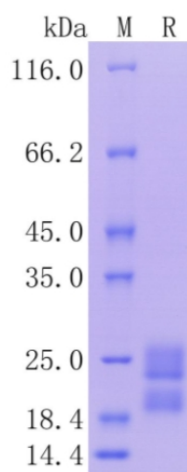
Gene Name	LTA lymphotoxin alpha [Homo sapiens (human)]
Official Symbol	LTA
Synonyms	LTA; lymphotoxin alpha (TNF superfamily, member 1); TNFB; lymphotoxin-alpha; LT; TNFSF1; LT-alpha; TNF-beta; tumor necrosis factor beta; tumor necrosis factor ligand superfamily member 1;
Gene ID	4049
mRNA Refseq	NM_000595
Protein Refseq	NP_000586
MIM	153440
UniProt ID	P01374

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**Protein on SDS-
PAGE under
reducing (R)
condition.**



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