

Recombinant Human lymphotoxin alpha Protein, Tag Free

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

SPECIFICATION

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|-------------------------|---|
| 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 | <p>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.</p> |
| 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

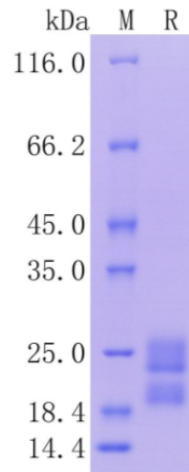
| | |
|------------------------|---|
| Gene Name | LTA lymphotoxin alpha [Homo sapiens (human)] |
| Official Symbol | LTA |
| Synonyms | LTA; lymphotoxin alpha (TNF superfamily, member 1); TNFB; lymphotoxin-alpha; LT; TNFSF1; LT-alpha; TNF-beta; tumor necrosis factor beta; tumor necrosis factor ligand 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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