Human LTA, Tag Free Protein

HA210742

Product name:	Human LTA, Tag Free
Species reactivity:	Human
Bio-Activity:	Testing in progress.
Protein construction description:	A DNA sequence encoding the human LTA protein (P01374) (Leu 35-Leu 205) was expressed with tag free.

Background: 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.

Purity: >95% as determined by SDS-PAGE.

Endotoxin: Less than 1.0 EU per μg by the LAL method.

Fragment region: LTA (35-205)

Source: HEK293

Accession: P01374

Predicted molecular mass: 19 kD

Formulation: 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.

Storage: Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20℃ to -80℃ It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

Images

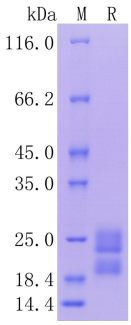

Fig1: Protein on SDS-PAGE under reducing (R) condition.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".