Active Recombinant Human LTA Protein (Leu1-Leu171), N-His tagged, Animal-free, Carrier-free

Cat. No. LTA-214H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LTA Protein (Leu1-Leu171) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Leu1-Leu171
Description	Human TNF beta (Lymphotoxin-alpha) is a 22 kDa cytokine with 205 amino acid residues. TNF beta belongs to tumor necrosis factor (TNF) superfamily as TNF alpha. Binding to lymphotoxin-β receptor (LtβR), canonical and non-canonical NF-κB signal pathway will be activated. TNF beta is related to apoptosis and inflammatory signals
Form	Lyophilized
Bio-activity	Measure by its ability to induce cytotoxicity in L929 cells in the presence of actinomycin D. The ED50 for this effect is < 3 pg/mL. The specific activity of recombinant human TNF beta is > 3.3×10^8 IU/mg.
Molecular Mass	The protein has a calculated MW of 18.65 kDa. The protein migrates as 21 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.

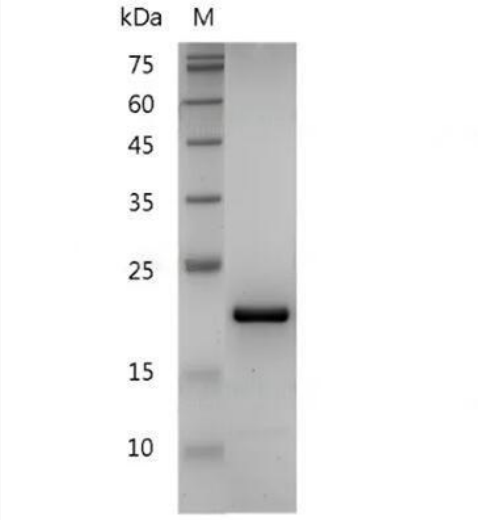
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution containing 20 mM sodium citrate and 0.2 M NaCl, pH 3.5.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	LTA lymphotoxin alpha (TNF superfamily, member 1) [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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq	NP_000586
MIM	153440
UniProt ID	P01374
SDS-PAGE analysis of recombinant human TNF Beta.	

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA