

ARG70400 Mouse Lymphotoxin alpha / TNF beta recombinant protein (Active) (His-tagged, N-ter)

Package: 100 µg, 20 µg
Store at: -20°C

Summary

Product Description	E. coli expressed, His-tagged (N-ter) Active Mouse LTA recombinant protein
Tested Application	SDS-PAGE
Target Name	Lymphotoxin alpha / TNF beta
Species	Mouse
A.A. Sequence	Leu34 - Leu202
Expression System	E. coli
Activity	Active
Activity Note	Determined by its ability to induce cytotoxicity in L929 cells in the presence of actinomycin D. The ED50 for this effect is < 30 ng/mL.
Alternate Names	LTA; Lymphotoxin Alpha; TNFSF1; TNFB; LT; Tumor Necrosis Factor Ligand Superfamily Member 1; Lymphotoxin-Alpha; LT-Alpha; TNF-Beta; Lymphotoxin Alpha (TNF Superfamily, Member 1); Tumor Necrosis Factor Ligand 1E; Tumor Necrosis Factor Beta; TNF Superfamily, Member 1; TNF Superfamily Member 1; TNLG1E

Properties

Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Buffer	PBS (pH 8.0)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

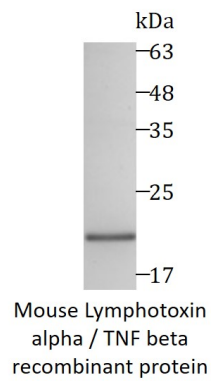
Bioinformation

Gene Symbol	LTA
Gene Full Name	Lymphotoxin Alpha
Background	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, myocardial infarction, non-Hodgkin's lymphoma, and psoriatic arthritis. Alternatively spliced transcript variants have been observed for this gene.

Function	In its heterotrimeric form with LTB binds to TNFRSF3/LTBR. Lymphotoxin is produced by lymphocytes and is cytotoxic for a wide range of tumor cells in vitro and in vivo.
PTM	Glycoprotein
Cellular Localization	Membrane, Secreted

Images



ARG70400 Mouse Lymphotoxin alpha / TNF beta recombinant protein (Active) (His-tagged, N-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70400 Mouse Lymphotoxin alpha / TNF beta recombinant protein (Active) (His-tagged, N-ter)