

Lymphotoxin Beta (LTb) Recombinant Protein | LTb recombinant protein

Recombinant Lymphotoxin Beta (LTb)

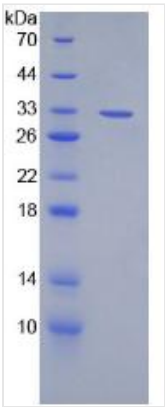
CATALOG # AAA134771	HOST E. coli	REACTIVITY Mouse	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Lymphotoxin Beta (LTb); Recombinant Lymphotoxin Beta (LTb); LTb recombinant protein

PRODUCT SPECIFICATIONS

Host	E. coli
Reactivity	Mouse
Purity/Purification	>98%
Form/Format	10mM PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300.
Concentration	original concentration 200µg/mL (varies by lot)
Applicable Applications for LTb recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Ile58~Met304
Tags	N-terminal His-Tag
Tissue Specificity	Spleen
Subcellular Location	Membrane; Single-pass type II membrane protein
Traits	Freeze-dried powder
Predicted isoelectric point	6.8
Predicted Molecular Mass	27.6kDa
Accurate Molecular Mass	32kDa as determined by SDS-PAGE reducing conditions
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



IG SGAQAQKRLD DSKPSCILPS PSSLSETPDP RLHPQRSNAS
RNLASTSQGP VAQSSREASA WMTILSPAAD STPDGQVQL PKGEPETDLN
PELPAHLIG AWMSGQLSW EASQEEAFLR SGAQFSPTHG LALPDQGVYY
LYCHVGVRGR TPPAGRSRAR SLTLRSALYR AGGAYGRGSP ELLLEGAETV
TPVVDPIGYG SLWYTSVGFG GLAQLRSGER VYVNISHPDM VDYRRGKTFF
GAVM

Sequence

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	6678730
NCBI GeneID	16994
NCBI Accession #	NP_032544.1
NCBI GenBank Nucleotide #	NM_008518.2
UniProt Accession #	P41155
NCBI Official Full Name	lymphotoxin-beta
NCBI Official Synonym Full Names	lymphotoxin B
NCBI Official Symbol	Ltb
NCBI Official Synonym Symbols	p33; Tnfc; LTbeta; Tnfsf3; A1662801
NCBI Protein Information	lymphotoxin-beta; TNF-C; LT-beta; lymphotoxin beta; tumor necrosis factor C; tumor necrosis factor ligand superfamily member 3
UniProt Protein Name	Lymphotoxin-beta
UniProt Gene Name	Ltb
UniProt Synonym Gene Names	Tnfc; Tnfsf3; LT-beta; TNF-C
UniProt Entry Name	TNFC_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.