

Active Recombinant Human LTBR protein, Fc-tagged

Cat. No. LTBR-635H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LTBR(Gln31-Met225) fused with N-terminus of the Fc region of a mutant human IgG1 was expressed in CHO.
Species	Human
Source	CHO
ProteinLength	Gln31-Met225
Description	The LTβR activates two different NF-κB pathways that lead to distinct patterns of gene induction, including selected chemokines, and the cytokine BAFF, which is essential for the survival of mature B lymphocytes. LTβR activates the classical NF-κB (relA/p50) pathway, like the type 1 TNF receptor (TNFR1), that regulates proinflammatory genes, like the chemokine MIP1β. However, LTβR, unlike TNFR1, also activates the processing of p100 to form RelB/p52 complexes, which activate genes involved in lymphoid organ formation and lymphocyte survival.
Form	Lyophilized from 0.2μm-filtered solution in PBS.
Bio-activity	Measured by its binding ability in a functional ELISA.
Molecular Mass	50 KDa (monomer)
Endotoxin	<0.06 EU/μg as determined by LAL test.

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Purity	>98%, by SDS-PAGE under reducing conditions.
Storage	Stable for at least 1 year after receipt when stored at -20 centigrade. Working aliquots are stable for up to 3 months when stored at -20 centigrade.
Reconstitution	Reconstitute at 100µg/ml in sterile PBS.

GENE INFORMATION

Gene Name	LTBR lymphotoxin beta receptor (TNFR superfamily, member 3) [Homo sapiens]
Official Symbol	LTBR
Synonyms	LTBR; lymphotoxin beta receptor (TNFR superfamily, member 3); D12S370; tumor necrosis factor receptor superfamily member 3; TNF R III; TNFCR; TNFR RP; TNFR2 RP; TNFRSF3; TNF-RIII; TNFR-III; lymphotoxin B receptor; lymphotoxin-beta receptor; TNFR superfamily, member 3; tumor necrosis factor C receptor; tumor necrosis factor receptor type III; tumor necrosis factor receptor 2-related protein; tumor necrosis factor receptor superfamily, member 3; CD18; TNFR-RP; TNFR2-RP; LT-BETA-R; TNF-R-III;
Gene ID	4055
mRNA Refseq	NM_002342
Protein Refseq	NP_002333
MIM	600979
UniProt ID	P36941

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Chromosome Location	12p13
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; Intestinal immune network for IgA production, organism-specific biosystem; Intestinal immune network for IgA production, conserved biosystem;
Function	identical protein binding; protein binding; receptor activity;

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