

## Active Recombinant Human LTBR protein, Fc-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human LTBR(Gln31-Met225) fused with N-terminus of the Fc region of a mutant human IgG1 was expressed in CHO.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	Gln31-Met225
<b>Description</b>	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.
<b>Form</b>	Lyophilized from 0.2μm-filtered solution in PBS.
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA.
<b>Molecular Mass</b>	50 KDa (monomer)
<b>Endotoxin</b>	<0.06 EU/μg as determined by LAL test.

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<b>Purity</b>	>98%, by SDS-PAGE under reducing conditions.
<b>Storage</b>	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.
<b>Reconstitution</b>	Reconstitute at 100µg/ml in sterile PBS.

## GENE INFORMATION

<b>Gene Name</b>	LTBR lymphotoxin beta receptor (TNFR superfamily, member 3) [ Homo sapiens ]
<b>Official Symbol</b>	LTBR
<b>Synonyms</b>	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;
<b>Gene ID</b>	4055
<b>mRNA Refseq</b>	NM_002342
<b>Protein Refseq</b>	NP_002333
<b>MIM</b>	600979
<b>UniProt ID</b>	P36941

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<b>Chromosome Location</b>	12p13
<b>Pathway</b>	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;
<b>Function</b>	identical protein binding; protein binding; receptor activity;

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