

Active Recombinant Human LTBR, Fc-tagged, Biotinylated

Cat. No. LTBR-636H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human LTβR-Fc fusion is expressed as a 420 amino acid protein consisting of Gln31 - Thr234 region of LTβR (UniProt accession #P36941) and a C-terminal Fc from human IgG1, which exists as a dimer/tetramer/oligomer under non-reducing conditions.
Species	Human
Source	Human Cells
ProteinLength	31-234 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	Binds to its ligand LIGHT and lymphotoxin-α1/β2. Inhibits LIGHT/lymphotoxin-α1/β2-mediated biological activities including NF-κB activation and cytotoxicity.
Molecular Mass	Calculated molecular mass (kDa): 46.8; Estimated by SDS-PAGE under reducing condition (kDa): 55-60
Endotoxin	<0.1 eu per 1 μg of purified recombinant protein determined by the LAL>
Purity	>95% judged by SDS-PAGE under reducing condition

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Storage The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below –20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

Conjugation Biotin

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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