

Recombinant Human LTBR protein, Fc-tagged

Cat. No. LTBR-399H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human LTBR protein (Gln31-Met227), fused to human IgG1 Fc tag at C-terminus, was expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	197
Description	Lymphotoxin-beta receptor (LTBR) is also known as Tumor necrosis factor receptor superfamily member 3 (TNFRSF3), Tumor necrosis factor receptor type III (TNF-RIII), which is a single-pass type I membrane protein containing four TNFR-Cys repeat regions. Except for interacting with HCV core protein, LTBR can not only associate with itself, but also can associate with TRAF3, TRAF4 and TRAF5. As the receptor for the heterotrimeric lymphotoxin containing LTA and LTB, and for TNFS14/LIGHT, LTBR promotes apoptosis via TRAF3 and TRAF5. Furthermore, LTBR may play a role in the development of lymphoid organs.
Form	Lyophilized from 0.22 um filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 48.4 kDa. The protein migrates as 55-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per ug by the LAL method.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	LTBR
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

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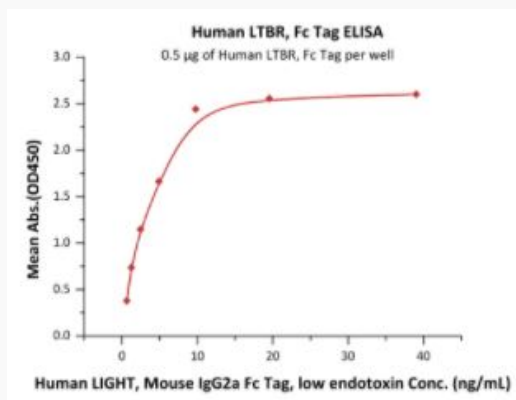
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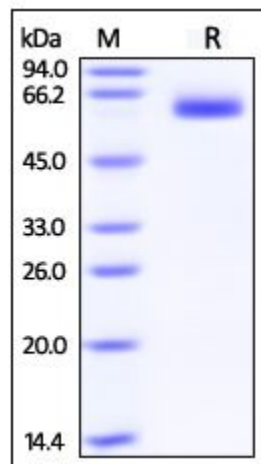
UniProt ID P36941

**Bioactivity-ELISA of
LTBR-399H**



Immobilized Human LTBR, Fc Tag at 5 µg/mL (100 µL/well) can bind Human LIGHT, Mouse IgG2a Fc Tag, low endotoxin with a linear range of 0.3-5 ng/mL (QC tested).

**SDS-PAGE of LTBR-
399H**



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Human LTBR, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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