

Datasheet for ABIN7566321
LTBR Protein (AA 31-225) (Fc Tag)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	LTBR
Protein Characteristics:	AA 31-225
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This LTBR protein is labelled with Fc Tag.

Product Details

Purpose:	LTbetaR (human):Fc (human) (rec.) (non-lytic)
Cross-Reactivity:	Human
Characteristics:	The extracellular domain of human LTbetaR (aa 31-225) is fused to the N-terminus of the Fc region of a mutant human IgG1.
Purity:	>98 % (SDS-PAGE)
Sterility:	Sterile filtered
Endotoxin Level:	<0.06EU/µg protein (LAL test, Lonza).
Biological Activity Comment:	Shows the biological function of the LTbetaR moiety and exerts a prolonged circulating half-life caused by the modified Fc domain.

Target Details

Target:	LTBR
Alternative Name:	LTbetaR (LTBR Products)
Background:	<p>Lymphotoxin-beta Receptor, Tumor Necrosis Factor Receptor 2 Related Protein, Tumor Necrosis Factor C Receptor, Tumor Necrosis Factor Receptor Superfamily Member 3, TNFRSF3</p> <p>The LTbetaR activates two different NF-kappaB 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. LTbetaR activates the classical NF-kappaB (relA/p50) pathway, like the type 1 TNF receptor (TNFR1), that regulates proinflammatory genes, like the chemokine MIP1beta. However, LTbetaR, unlike TNFR1, also activates the processing of p100 to form RelB/p52 complexes, which activate genes involved in lymphoid organ formation and lymphocyte survival.</p>
NCBI Accession:	NP_002333
Pathways:	NF-kappaB Signaling

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	Lyophilized from 0.2µm-filtered solution in PBS.
Handling Advice:	Avoid freeze/thaw cycles. Centrifuge lyophilized vial before opening and reconstitution.
Storage:	4 °C, -20 °C
Storage Comment:	<p>Short Term Storage: +4°C</p> <p>Long Term Storage: -20°C</p> <p>Use & Stability: Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.</p>