

Recombinant Human LILRB3 protein, Fc-tagged

Cat. No. LILRB3-362H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human LILRB3 protein (Gly24-Glu443), fused to human IgG1 Fc tag at C-terminus, was expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	420
Description	Leukocyte immunoglobulin-like receptor subfamily B member 3 is also known as LILRB3, ILT-5 or CD85a. LILRB3 plays an role as receptor for class I MHC antigens, which activated upon coligation of LILRB3 and immune receptors, such as FCGR2B and the B-cell receptor. LILRB3 and LILRA6 represent a pair of inhibitory/activating receptors with identical extracellular domains and unknown ligands. LILRB3 can mediate inhibitory signaling via immunoreceptor tyrosine-based inhibition motifs in its cytoplasmic tail whereas LILRA6 can signal through association with an activating adaptor molecule, FcRγ.
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 72.8 kDa. As a result of glycosylation, the protein migrates as 90-115 kDa under reducing (R) condition, and 150 kDa under non-reducing (NR) condition (SDS-PAGE)

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Endotoxin	Less than 1.0 EU per ug by the LAL method.
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	LILRB3
Official Symbol	LILRB3
Synonyms	LILRB3; leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3; leukocyte immunoglobulin-like receptor subfamily B member 3; CD85a; HL9; ILT5; LIR 3; LIR3; immunoglobulin-like transcript 5; monocyte inhibitory receptor HL9; CD85 antigen-like family member A; leukocyte immunoglobulin-like receptor 3; PIRB; CD85A; ILT-5; LIR-3; MGC138403
Gene ID	11025
mRNA Refseq	NM_001081450
Protein Refseq	NP_001074919

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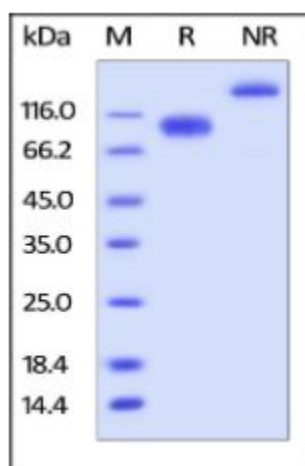
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MIM 604820

UniProt ID O75022

**SDS-PAGE of
LILRB3-362H**



Human LILRB3, Fc Tag on SDS-PAGE under reducing (R) and non-reducing (NR) conditions. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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