

Recombinant Human LILRB3 protein, Fc & Avi-tagged, Biotinylated

Cat. No. LILRB3-0623H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Human LILRB3, Fc Tag is expressed from human 293 cells (HEK293). It contains AA Gly 24 - Glu 443 (Accession # AAI12199). Biotinylation of this product is performed using Avitag technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin. The biotin to protein ratio is 0.5-1 as determined by the HABA assay.
Species	Human
Source	HEK293
ProteinLength	Gly 24 - Glu 443
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.
Predicted N Terminal	Gly 24
Form	Lyophilized from 0.22

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	µm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 74.5 kDa. As a result of glycosylation, the protein migrates as 80-105 kDa under reducing (R) condition, and 150 kDa under non-reducing (NR) condition (SDS-PAGE).
Endotoxin	Less than 1.0 EU per µg 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°C or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8°C for 12 months in lyophilized state; -70°C 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.
Shipping	Powder,RT
Conjugation	Biotin

GENE INFORMATION

Gene Name	LILRB3 leukocyte immunoglobulin like receptor B3 [Homo sapiens (human)]
Official Symbol	LILRB3
Synonyms	HL9; ILT5; LIR3; PIRB; CD85A; ILT-5; LIR-3; PIR-B; LILRA6; CD85 antigen-like family member A; immunoglobulin-like transcript 5; leucocyte Ig-like receptor B3; leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 6;

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leukocyte; immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3; monocyte inhibitory receptor HL9; leukocyte immunoglobulin-like receptor subfamily B member 3

Gene ID

11025

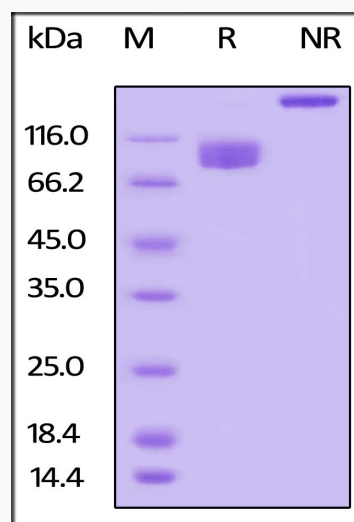
mRNA Refseq

NM_001081450.2

Protein Refseq

NP_001074919.2

SDS-PAGE



Biotinylated 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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