

Recombinant Human LILRB1, His-tagged

Cat. No. LILRB1-7871H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human Leukocyte ImmunoglobulinLike Receptor Subfamily B Member 1/LILRB1 produced by transfected human cell is a secreted protein with sequence (Gly24His458) of Human LILRB1 fused with a polyhistidine tag at the Cterminus.

Species Human

Source HEK293

Description The immunoglobulinlike transcript (ILT) family (also named leukocyte Igl like receptors (LIR) and monocyte/macrophage Igl like receptors (MIR)) can be activating and inhibitory immunoreceptors. ILTs are expressed on many leukocyte subsets and regulators of immune responses . ILTs share significant homology with killer cell Igl like receptors (KIR). Except ILT6, all ILT family members are type I transmembrane proteins having two or four extracellular Igl like domains . ILT2 is expressed on most monocytes,dendritic cells,and mature B cells. ILT2 is also expressed on small percentages of Tcells and NK cells. ILT2 can prevents cellular activation.

Form Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.2

AA Sequence
 GHLPKPTLWA EPGSVITQGS PVTLRCQGGQ ETQEYRLYRE KKTAPWITRI
 PQELVKKGQF PIPSITWEH AGRYRCYYGS DTAGRSESSD PLELVVTGAY
 IKPTLSAQPS PVVNSGGNVT L QCDSQVAF DGFILCKEGER DEHPQCLNSQ
 PHARGSSRAI FSVGVPVSPSR RWWYRCYAYD SN SPYEWSL PSDLLELLVL
 GVSKKPSLSV QPGPIVAPEE TLTLQCGSDA GYNRFVLYKD GER DFLQLA

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GAQPQAGLSQ

Purity Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

Notes For research use only.

Storage Lyophilized protein should be stored at less than 20°C. though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C. for 2-7 days. Aliquots of reconstituted samples are stable at less than 20°C. for 3 months.

GENE INFORMATION

Gene Name LILRB1 leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 1 [Homo sapiens]

Official Symbol LILRB1

Synonyms LILRB1; leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 1; leukocyte immunoglobulin-like receptor subfamily B member 1; CD85; CD85j; ILT2; LIR 1; LIR1; MIR 7; ILT-2; CD85 antigen; Ig-like transcript 2; leukocyte Ig-like receptor-1; immunoglobulin-like transcript 2; CD85 antigen-like family member J; leukocyte immunoglobulin-like receptor 1; monocyte/macrophage immunoglobulin-like receptor 7; leukocyte immunoglobulin-like receptor subfamily B member 1 soluble isoform; MIR7; CD85J; LIR-1; MIR-7; FLJ37515;

Gene ID [10859](#)

mRNA Refseq [NM_001081637](#)

Protein Refseq [NP_001075106](#)

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MIM	604811
UniProt ID	Q8NHL6
Chromosome Location	19q13.4
Pathway	Adaptive Immune System, organism-specific biosystem; Immune System, organism-specific biosystem; Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell, organism-specific biosystem; Osteoclast differentiation, organism-specific biosystem; Osteoclast differentiation, conserved biosystem;
Function	HLA-A specific inhibitory MHC class I receptor activity; HLA-B specific inhibitory MHC class I receptor activity; MHC class I protein binding; MHC class I protein binding; MHC class I protein binding; MHC class I receptor activity; SH2 domain binding; protein homodimerization activity; protein phosphatase 1 binding; receptor activity;

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