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 Iglike receptors (LIR) and monocyte/macrophage Iglike 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 Iglike receptors (KIR). Except ILT6, all ILT family members are type I transmembrane proteins having two or four extracellular Iglike 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 DGFILCKEGE DEHPQCLNSQ PHARGSSRAI FSVGPVSPSR 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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