

Recombinant Human leukocyte immunoglobulin like receptor B2 Protein, His&Flag tagged

Cat. No. LILRB2-085H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human LILRB2/CD85d/ILT4 protein (Q8N423) (Gln 22-Val 460) with both His and Flag tag at the C-terminus was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	22-460aa
Description	Receptor for class I MHC antigens. Recognizes a broad spectrum of HLA-A, HLA-B, HLA-C, HLA-G and HLA-F alleles. Involved in the down-regulation of the immune response and the development of tolerance. Recognizes HLA-G in complex with B2M/beta-2 microglobulin and a nonamer self-peptide (peptide-bound HLA-G-B2M) triggering differentiation of type 1 regulatory T cells and myeloid-derived suppressor cells, both of which actively maintain maternal-fetal tolerance. Competes with CD8A for binding to class I MHC antigens. Inhibits FCGR1A-mediated phosphorylation of cellular proteins and mobilization of intracellular calcium ions.
Tag	C-His&Flag
Molecular Mass	50.4 kDa
Endotoxin	Less than 1.0 EU/μg by the LAL method.

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Purity	>95% as determined by SDS-PAGE.
Storage	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
Reconstitution	Reconstitute at 250 µg/mL in sterile water.
GENE INFORMATION	
Gene Name	LILRB2 leukocyte immunoglobulin like receptor B2 [Homo sapiens (human)]
Official Symbol	LILRB2
Synonyms	LILRB2; leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 2; leukocyte immunoglobulin-like receptor subfamily B member 2; CD85d; ILT4; LIR 2; LIR2; MIR 10; MIR10; ILT-4; Ig-like transcript 4; immunoglobulin-like transcript 4; CD85 antigen-like family member D; leukocyte immunoglobulin-like receptor 2; monocyte/macrophage immunoglobulin-like receptor 10; leukocyte immunoglobulin-like receptor subfamily B member 2 soluble isoform; leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 6; CD85D; LIR-2; LILRA6; MIR-10;
Gene ID	10288
mRNA Refseq	NM_001080978
Protein Refseq	NP_001074447

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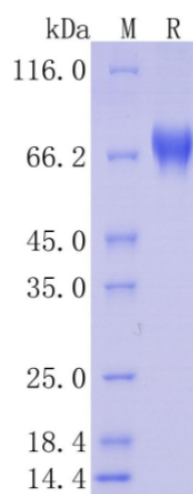
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MIM 604815

UniProt ID Q8N423

Protein on SDS-
PAGE under
reducing (R)
condition.



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