

Recombinant Human LILRB5 Protein, His-tagged

Cat. No. LILRB5-363H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human LILRB5 protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	590
Description	<p>This gene is a member of the leukocyte immunoglobulin-like receptor (LIR) family, which is found in a gene cluster at chromosomal region 19q13.4. The encoded protein belongs to the subfamily B class of LIR receptors which contain two or four extracellular immunoglobulin domains, a transmembrane domain, and two to four cytoplasmic immunoreceptor tyrosine-based inhibitory motifs (ITIMs). Several other LIR subfamily B receptors are expressed on immune cells where they bind to MHC class I molecules on antigen-presenting cells and inhibit stimulation of an immune response. Multiple transcript variants encoding different isoforms have been found for this gene.</p>
Form	Lyophilized
Molecular Mass	49.2 kDa
AA Sequence	<p>MTLTLSVLICLGLSVGPRTCVQAGTLPKPTLWAEPASVIARGKPVTLWCQGPLETEE YRLDKEGLPWARKRQNPLEPGAKAKFHIPSTVYDSAGRYRCYYETPAGWSEPSDP LELVATGFYAEPDLLALPSPVVASGGNVTLQCCTLDGLLTFVLVEEEQKLPRTLYSQK</p>

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LPKGPSQALFPVGPVTPSCRWRFRCCYCYRKNPQVWSNPSDLLEILVPGVSRKPSL
 LIPQGSVVARGGSLTLQCRSDVGYDIFVLYKEGEHDLVQGSQGPQAGLSQANFTL
 GPVSRSHGGQYRCYGAHNLSRWSAPSDPLDILIAGLIPDIPALSVQPGPKVASGEN
 VTLLCQSWHQIDTFFLTKEGAAHPPLCLKSKYSYRHHQAEFSMSPVTSAGGGTYRC
 YSAIRSYPYLLSSPSYPQELVVSGPSGDPSLSPTGSTPTPGPEDQPLTPTGLDPQSG
 LGRHLGVVTGVSVAFVLLLFLLLRHRHQSKHRTSAHFYRPAGAAGPEPKDQGL
 QKRASPVADIQEEILNAAVKDTQPKDGVEMDARAAASEAPQDVTYAQLHSLTLRRE
 ATEPPPSQEREPPAEPSIYAPLAIH

Purity > 98%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage At -20 centigrade.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name LILRB5 leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM)

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	domains), member 5 [Homo sapiens (human)]
Official Symbol	LILRB5
Synonyms	LIR8; CD85C; LIR-8
Gene ID	10990
mRNA Refseq	NM_006840
Protein Refseq	NP_006831
MIM	604814
UniProt ID	O75023

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