

Recombinant Human LILRB2 Protein, His-tagged

Cat. No. LILRB2-01H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human LILRB2 (24-461aa), fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Species	Human
Source	HEK293
ProteinLength	24-461 a.a.
Description	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). The receptor is expressed on immune cells where it binds to MHC class I molecules on antigen-presenting cells and transduces a negative signal that inhibits stimulation of an immune response. It is thought to control inflammatory responses and cytotoxicity to help focus the immune response and limit autoreactivity. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	Liquid
Molecular Mass	48.3 kDa (444aa)

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AA Sequence	GTIPKPTLWAEPSVITQGSPVTLSCQGSLEAQEYRLYREKKSASWITRIRPELVKNG QFHIPSITWEHTGRYGCQYYSRARWSELSDPLVLVMTGAYPKPTLSAQSPVVTSG GRVTLQCESQVAFGGFILCKEGEDEHPQCLNSQPHARGSSRAIFSVGPVSPNRRW SHRCYGYDLNSPYVWSSPSDLLELLVPGVSKKPSLSVQPGPVMAPGESLTLQCVSD VGYDRFVLYKEGERDLRQLPGRQPQAGLSQANFTLGPVSRSYGGQYRCYGAHNLS SECSAPSDPLDILITGQIRGTFISVQPGPTVASGENVTLLCQSWRQFHTFLTKAGA ADAPLRLRSIHEYPKYQAEFPMSPVTSAHAGTYRCYGSLSNDPYLLSHPSEPLELVV SGPSMGSSPPPTGPISTPAGPEDQPLTPTGSDPQSGLGRHLGV
Endotoxin	< 1 EU/μg of protein (determined by LAL method)
Purity	> 95% by SDS-PAGE
Applications	SDS-PAGE
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/mL (determined by absorbance at 280nm)
Storage Buffer	In Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol

GENE INFORMATION

Gene Name	LILRB2 leukocyte immunoglobulin like receptor B2 [Homo sapiens (human)]
Official Symbol	LILRB2
Synonyms	LILRB2; leukocyte immunoglobulin like receptor B2; ILT4; LIR2; CD85D; ILT-4; LIR-2; MIR10; MIR-10; leukocyte immunoglobulin-like receptor subfamily B member 2; CD85 antigen-like family member D; Ig-like transcript 4; leucocyte Ig-like receptor B2;

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leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 2; monocyte/macrophage immunoglobulin-like receptor 10; myeloid inhibitory receptor 10

Gene ID 10288

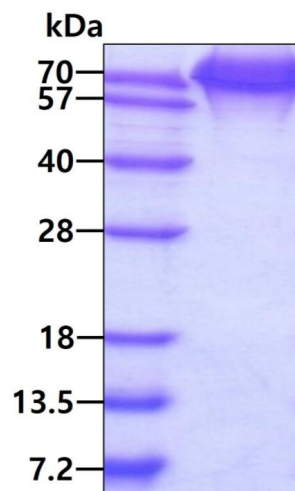
mRNA Refseq NM_005874

Protein Refseq NP_005865

MIM 604815

UniProt ID Q8N423

SDS-PAGE



3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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