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Datasheet for ABIN1096972

LILRB2 Protein (AA 22-458) (His tag)

Overview

Quantity:	50 µg
Target:	LILRB2
Protein Characteristics:	AA 22-458
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LILRB2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Leukocyte Ig-Like Receptor B2/LILRB2/ILT4/CD85d (C-6His)
Sequence:	QTGTIPKPTL WAEPDSVITQ GSPVTLSCQG SLEAQEYRLY REKKSASWIT RIRPELVKNG QFHIPSITWE HTGRYGCQYY SRARWSELSD PLVLVMTGAY PKPTLSAQPS PVVTSGGRVT LQCESQVAFG GFILCKEGED EHPQCLNSQP HARGSSRAIF SVGPVSPNRR WSHRCYGYDL NSPYVWSSPS DLLELLVPGV SKKPSLSVQP GPVVAPGESL TLQCVSDVGY DRFVLYKEGE RDLRQLPGRQ PQAGLSQANF TLGPVRSRYG GQYRCYGAYN LSSEWSAPSD PLDILITGQI HGTPFISVQP GPTVASGENV TLLCQSWRQF HTFLLTKAGA ADAPLRLRSI HEYPKYQAEF PMSPVTSAHA GTYRCYGS LN SDPYLLSHPS EPLELVVSGP SMGSSPPPTG PISTPAGPED QPLTPTGSDP QSG LGRHVDH HHHHH
Characteristics:	Recombinant Human Leukocyte Immunoglobulin-Like Receptor Subfamily B Member 2/LILRB2 produced by transfected human cells is a secreted protein with sequence (Gln22-His458) of Human LILRB2 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	LILRB2
Alternative Name:	ilt4 (LILRB2 Products)
Sub Type:	Fusionprotein
Background:	<p>Members of the immunoglobulin-like transcript (ILT) family are activating and inhibitory immunoreceptors whose genes are located same locus that encodes killer cell Ig-like receptors (KIR). Leukocyte Immunoglobulin-Like Receptor Subfamily B Member 2 (LIR-2) is a type I transmembrane protein. LIR-2 is expressed primarily on monocytes and dendritic cells (DC). Human LIR-2 is produced as a 598 amino acid precursor including a 21 aa signal sequence, a 440 aa extracellular domain (ECD), a 21 aa transmembrane segment, and a 116 aa cytoplasmic domain. LIR-2 binds to Classical MHC I proteins. Ligation of LIR-2 includes Tyrosine phosphorylation within its cytoplasmic ITIMs, a requirement for association with SHP-1. LIR-2 mediates tolerogenic DC-induced CD4⁺ T cell energy in vitro and in vivo.</p> <p>Alternative Names: Leukocyte Immunoglobulin-Like Receptor Subfamily B Member 2, LIR-2, Leukocyte Immunoglobulin-Like Receptor 2, CD85 Antigen-Like Family Member D, Immunoglobulin-Like Transcript 4, ILT-4, Monocyte/Macrophage Immunoglobulin-Like Receptor 10, MIR-10, CD85d, L</p>
Molecular Weight:	48.57 kDa
UniProt:	Q8N423
Pathways:	Cellular Response to Molecule of Bacterial Origin

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>

Handling

Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -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 < -20°C for 3 months.
Expiry Date:	3 months