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Datasheet for ABIN7505590

LILRA5 Protein (AA 42-268) (His tag)

Overview

Quantity:	100 µg
Target:	LILRA5
Protein Characteristics:	AA 42-268
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LILRA5 protein is labelled with His tag.

Product Details

Sequence:	Gly42-Arg268
Characteristics:	Recombinant Human LILRA5 Member 5 is produced by our Mammalian expression system and the target gene encoding Gly42-Arg268 is expressed with a 6His tag at the C-terminus.
Purity:	>95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	<1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	LILRA5
Alternative Name:	LILRA5 (LILRA5 Products)
Background:	Background: Leukocyte Immunoglobulin-like Receptor Subfamily A Member 5(LILRA5) is a member of the leukocyte immunoglobulin-like receptors (LILR), comprise a family of activating and inhibitory type immunoreceptors. LILRA5 consists of a 227 amino acid (aa) extracellular

Target Details

domain (ECD), a 21 aa transmembrane segment, and a 10 aa cytoplasmic tail. The ECD contains two Ig-like domains and the transmembrane segment contains a positively charged aspartic acid residue which may mediate its association with the signaling molecule, FcR common gamma chain. LILRA5 is expressed by monocytes, macrophages, and neutrophils. Cross-linking of LILRA5 on monocytes induces the expression of pro-inflammatory cytokines (IL-1beta, IL-6, TNF-alpha) as well as the anti-inflammatory IL-10. It can be detected in tissues of the hematopoietic system, including bone marrow, spleen, lymph node and peripheral leukocytes. Crosslink of ILT-11 on the surface of monocytes has been shown to induce calcium flux and secretion of several proinflammatory cytokines, which suggests the roles of this protein in triggering innate immune responses.

Synonym: Leukocyte immunoglobulin-like receptor subfamily A member 5, CD85 antigen-like family member F, Immunoglobulin-like transcript 11, ILT-11, Leukocyte immunoglobulin-like receptor 9, LIR-9, CD85f, LILRA5, LILRB7,CD85F,ILT11,LILRB7,LIR-9,LIR9

Molecular Weight: 26.1 kDa

UniProt: [A6NI73](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months