

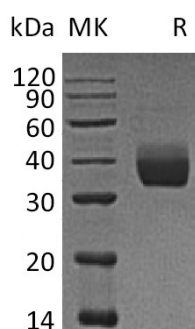
Product Name: Recombinant Human LILRA5 (C-6His)
Catalog #: PHH1086



Summary

Name	LILRA5/ILT11/CD85f/Leukocyte Ig-Like Receptor A5
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Leukocyte Immunoglobulin-like Receptor Subfamily A 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.
Accession #	A6NI73
Host	Human Cells
Species	Human
Predicted Molecular Mass	26.1 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image



Background

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Alternative Names

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

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 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.

Note

For Research Use Only , Not for Diagnostic Use.