

Recombinant Human LILRB2/CD85d Protein (His Tag)

Catalog Number: PKSH032698



Note: Centrifuge before opening to ensure complete recovery of vial contents.

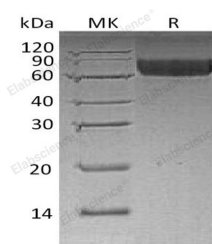
Description

Synonyms	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;LILRB2;ILT4;LIR2;MIR10
Species	Human
Expression Host	HEK293 Cells
Sequence	Gln22-His458
Accession	AAH36827.1
Calculated Molecular Weight	48.6 kDa
Observed molecular weight	58-75 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed man
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

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

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Classical MHC I proteins. Ligation of LIR-2 includes Tyr 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.

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