

# Recombinant Human ILT4/LILRB2 protein (His tag)

Catalog Number:PDMH100140



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

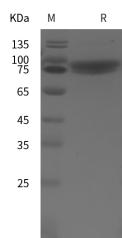
## Description

<b>Synonyms</b>	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
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Met1-Val461
<b>Accession</b>	Q8N423
<b>Calculated Molecular Weight</b>	50.6 kDa
<b>Observed molecular weight</b>	75 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Please contact us for more information.
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS, pH 7.4. 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 manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



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## 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 MHCI proteins. Ligation of LIR-2 induces 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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