

# Recombinant Human LILRB5/CD85c protein (His tag)



Catalog Number:PDMH100136

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

## Description

<b>Synonyms</b>	Leukocyte immunoglobulin-like receptor subfamily B member 5;CD85 antigen-like family member C;Leukocyte immunoglobulin-like receptor 8;LIR-8;CD85c;LILRB5;LIR8
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Met1-Gly458
<b>Accession</b>	O75023
<b>Calculated Molecular Weight</b>	50.3 kDa
<b>Observed molecular weight</b>	70 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.

## Background

Human Leukocyte Immunoglobulin-like Receptor Subfamily B Member 5 (LILRB5/CD85c/LIR-8) belongs to a family of transmembrane glycoproteins that negatively regulate immune cell activation. Mature human LIR-8 consists of a 435 amino acid (aa) extracellular domain with four Iglike domains, a 21 aa transmembrane segment, and a 111 aa cytoplasmic domain with two immunoreceptor tyrosine-based inhibitory motifs (ITIM). Alternative splicing of human LIR-8 generates an isoform that lacks the second Ig-like domain. LIR-8 is expressed on NK cells and in the tryptic granules of mast cells. Following cell activation and degranulation, it is present on the mast cell surface. Activated mast cells may also release soluble forms of LIR-8.

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