

# Biotinylated Human LILRB5/CD85c/LIR-8 Protein

Cat. No. LIL-HM4B5B

## Description

<b>Source</b>	Recombinant Biotinylated Human LILRB5/CD85c/LIR-8 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Arg18-His456.
<b>Accession</b>	O75023-1
<b>Molecular Weight</b>	The protein has a predicted MW of 49.9 kDa. Due to glycosylation, the protein migrates to 65-70 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

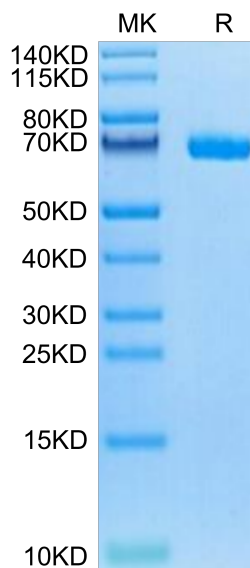
<b>Formulation</b>	Lyophilized from 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

LILRB5, also known as CD85c and 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 Ig-like domains, a 21 aa transmembrane segment, and a 111 aa cytoplasmic domain with two immunoreceptor tyrosine-based inhibitory motifs (ITIM). LILRB5 may act as receptor for class I MHC antigens.

## Assay Data

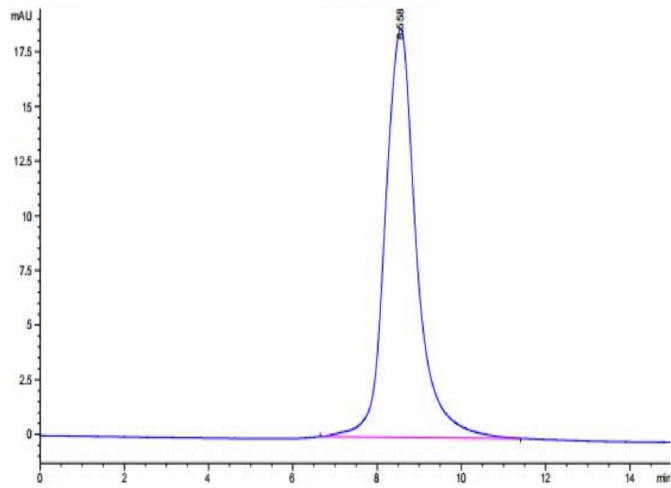
### Bis-Tris PAGE



Biotinylated Human LILRB5 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

Assay Data



The purity of Biotinylated Human LILRB5 is greater than 95% as determined by SEC-HPLC.