

# Human LILRA2/CD85h/ILT1 Protein

Cat. No. LIL-HM4A2

## Description

<b>Source</b>	Recombinant Human LILRA2/CD85h/ILT1 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Gly24-Asn449.
<b>Accession</b>	Q8N149-1
<b>Molecular Weight</b>	The protein has a predicted MW of 49.9 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1 EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE.

## Formulation and Storage

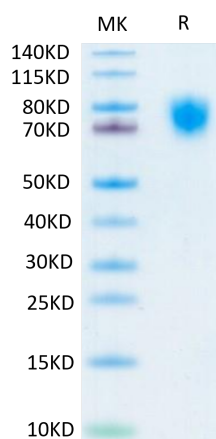
<b>Formulation</b>	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein 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

LILRA2, also known as ILT1, CD85h, and LIR7, is an approximately 70 kDa variably glycosylated transmembrane protein that regulates immune cell activation. Mature human LILRA2 consists of a 426 amino acid (aa) extracellular domain (ECD) with 4 Ig-like domains, a 21 aa transmembrane segment, and a 13 aa cytoplasmic tail. LILRA2 is part of the innate immune responses against microbial infection.

## Assay Data

### Bis-Tris PAGE



Human LILRA2 on Bis-Tris PAGE under reduced conditions. The purity is greater than 95%.