

# Human LILRA5/CD85f/ILT11 Protein

Cat. No. LIL-HM4A5

## Description

<b>Source</b>	Recombinant Human LILRA5/CD85f/ILT11 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Gly42-Arg268.
<b>Accession</b>	A6NI73-1
<b>Molecular Weight</b>	The protein has a predicted MW of 28.2 kDa. Due to glycosylation, the protein migrates to 38-50 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

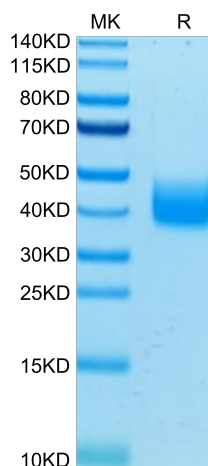
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

The leukocyte immunoglobulin-like receptors (LILR) comprise a family of activating and inhibitory type immunoreceptors whose genes are located in the same locus that encodes killer cell Ig-like receptors (KIRs). Human LILRA5, also known as ILT11, LIR-9, and CD85f, consists of a 227 amino acid (aa) extracellular domain (ECD), a 21 aa transmembrane segment, and a 10 aa cytoplasmic tail. LILRA5 may play a role in triggering innate immune responses. Does not seem to play a role for any class I MHC antigen recognition.

## Assay Data

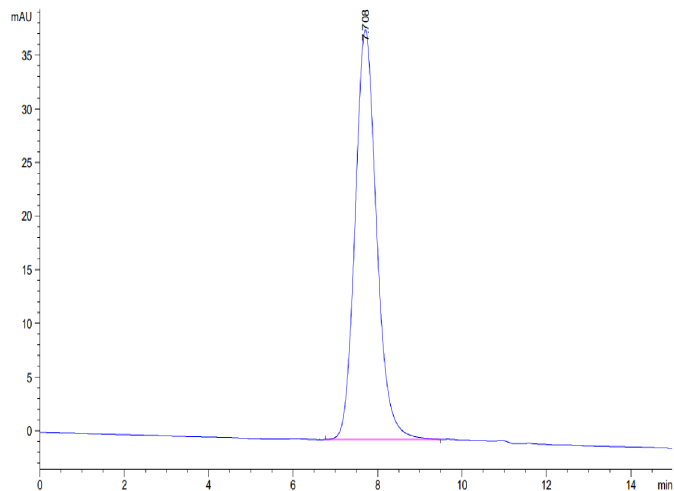
### Tris-Bis PAGE



Human LILRA5 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

Assay Data



The purity of Human LILRA5 is greater than 95% as determined by SEC-HPLC.