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Datasheet for ABIN7275175

LILRA2 Protein (AA 24-449) (His-Avi Tag)

2 Images

Overview

Quantity:	100 µg
Target:	LILRA2
Protein Characteristics:	AA 24-449
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LILRA2 protein is labelled with His-Avi Tag.

Product Details

Purpose:	Human LILRA2/CD85h/ILT1 Protein
Sequence:	Gly24-Asn449
Characteristics:	Recombinant Human LILRA2/CD85h/ILT1 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Gly24-Asn449.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	LILRA2
Alternative Name:	LILRA2 (LILRA2 Products)

Target Details

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.

Molecular Weight: 49.9 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

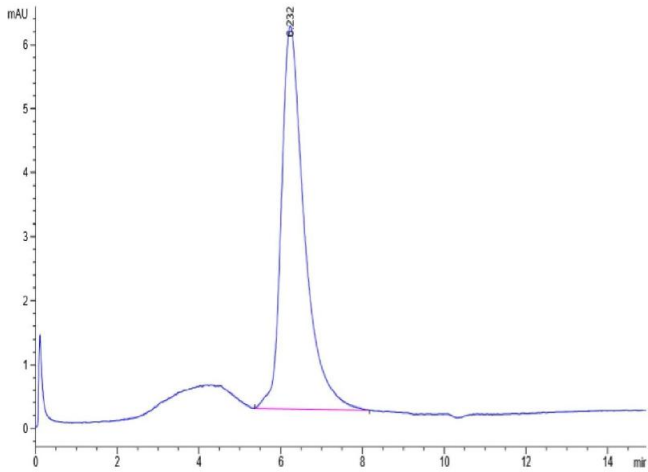
Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

Storage: -20 °C,-80 °C

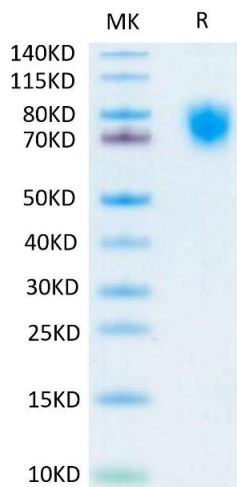
Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Human LILRA2/CD85h/ILT1 Protein is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Human LILRA2 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .