

Datasheet for ABIN7275121

LAIR2 Protein (AA 22-152) (His-Avi Tag,Biotin)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	LAIR2
Protein Characteristics:	AA 22-152
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LAIR2 protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human LAIR2/CD306 Protein
Sequence:	Gln22-Pro152
Characteristics:	Recombinant Biotinylated Human LAIR2/CD306 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Gln22-Pro152.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of 1.80 nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

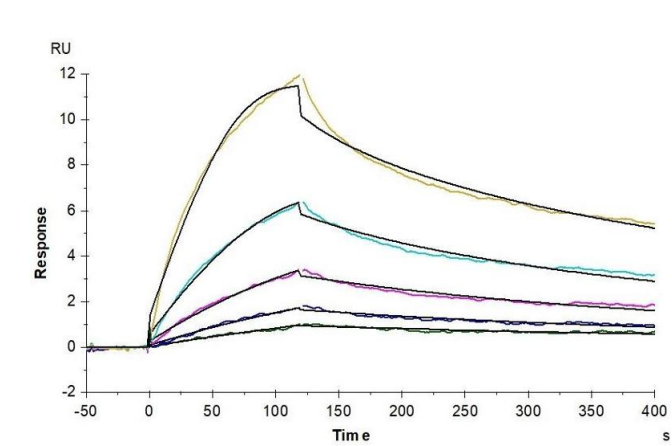
Target:	LAIR2
Alternative Name:	LAIR2 (LAIR2 Products)
Background:	<p>The leukocyte-associated immunoglobulin-like receptor 2 (LAIR2) shows increased expression during pregnancy and its reduced expression is associated with pregnancy complications.</p> <p>Although LAIR2 was expressed in the human placenta villus and decidua in the first trimester of pregnancy, it was not expressed in mouse tissues. Knockdown of LAIR2 markedly improved cell viability and inhibited the invasive ability of HTR8/SVneo cells.</p>
Molecular Weight:	17 kDa. Due to glycosylation, the protein migrates to 20-25 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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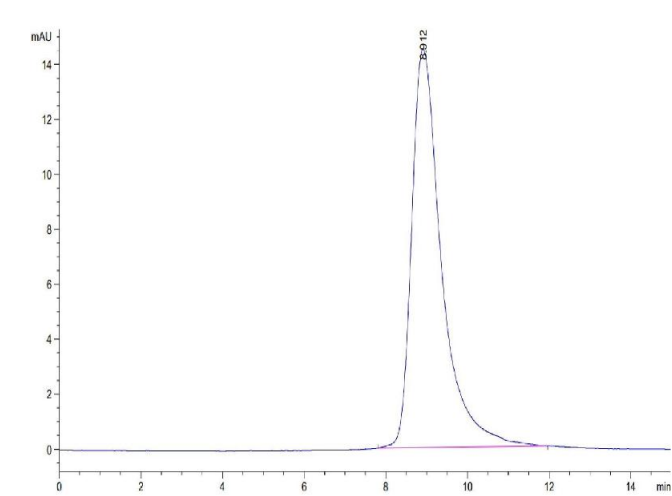
Handling

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



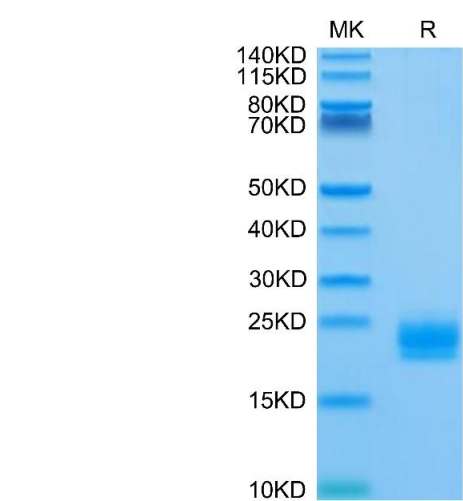
Surface Plasmon Resonance

Image 1. Biotinylated Human LAIR2, His-Avi Tag immobilized on CM5 Chip can bind Native Human Collagen I, No Tag with an affinity constant of 1.80 nM as determined in SPR assay (Biacore T200).



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Huma LAIR2 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Biotinylated Huma LAIR2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .