

Datasheet for ABIN5955021

LILRA5 Protein (AA 42-268) (His tag,AVI tag,Biotin)[Go to Product page](#)**2** Images

Overview

Quantity:	200 µg
Target:	LILRA5
Protein Characteristics:	AA 42-268
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This LILRA5 protein is labelled with His tag,AVI tag,Biotin.

Product Details

Sequence:	AA 42-268
Specificity:	Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	LILRA5
Alternative Name:	LILRA5 (LILRA5 Products)
Background:	LIRs are immunoglobulin-like receptors that have activating and inhibitory functions in

Target Details

leukocytes. Leukocyte immunoglobulin-like receptor A5 (LILRA5) belongs to a family of receptors known to regulate leukocyte activation. LILRA5, expressed as a membrane-bound receptor and as a secreted molecule. The transmembrane LILRA5 contain a short cytoplasmic domain and a charged arginine residue within the transmembrane region that is likely to mediate its association with another coreceptor. LILRA5 is mostly expressed in myeloid cells, including monocytes and neutrophils.

Molecular Weight: 28.9 kDa

NCBI Accession: [NP_871714](#)

Application Details

Comment: Ready-to-use Avitag™ biotinylated protein:
The product is exclusively produced using the Avitag™ technology. Briefly, a unique 15 amino acid peptide, the Avi tag, is introduced into the recombinant protein during expression vector construction. The single lysine residue in the Avi tag is enzymatically biotinylated by the E. Coli biotin ligase BirA.

This single-point enzymatic labeling technique brings many advantages for commonly used binding assays. The biotinylation happens on the lysine residue of Avi tag, and therefore does NOT interfere with the target protein's natural binding activities. In addition, when immobilized on an avidin-coated surface, the protein orientation is uniform because the position of the Avi tag in the protein is precisely controlled.

Restrictions: For Research Use only

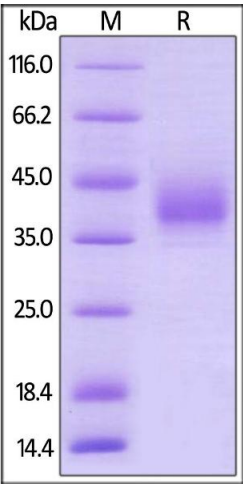
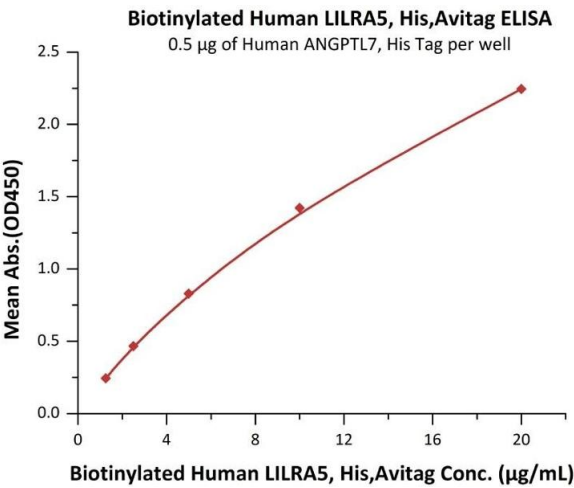
Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C



ELISA

Image 1. Immobilized Human ANGPTL7, His Tag (ABIN5526615,ABIN6809995) at 5 µg/mL (100 µL/well) can bind Biotinylated Human LILRA5, His,Avitag (ABIN5955021,ABIN6253650) with a linear range of 1.25-20 µg/mL (QC tested).

SDS-PAGE

Image 2. Biotinylated Human LILRA5, His,Avitag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .