

Active Recombinant Human LAIR1 protein, Fc-Avi-tagged, Biotinylated

Cat. No. LAIR1-0349H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human LAIR1 protein(Gln22-His163), fused with Fc and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	22-163 a.a.
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100mM Gly, 25mM Arginine, 150mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Native Human Collagen I protein at 10 µg/mL (100 µL/well) can bind Biotinylated Human LAIR-1, Fc,Avitag with a linear range of 0.01-0.625 µg/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the C-terminus, followed by an Avi tag (Avitag).The protein has a calculated MW of 43.6 kDa. The protein migrates as 50-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Gln22-His163
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.>90% as determined by SEC-MALS.

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Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	LAIR1 leukocyte-associated immunoglobulin-like receptor 1 [Homo sapiens]
Official Symbol	LAIR1
Synonyms	LAIR1; leukocyte-associated immunoglobulin-like receptor 1; leukocyte associated Ig like receptor 1; CD305; hLAIR1; leukocyte-associated Ig-like receptor 1; LAIR-1;
Gene ID	3903
mRNA Refseq	NM_002287
Protein Refseq	NP_002278
MIM	602992
UniProt ID	Q6GTX8

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