

Recombinant Human Leukocyte-associated Immunoglobulin-like Receptor 1, His-tagged

Cat. No. LAIR1-348H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant extracellular domain of LAIR-1(22-125aa) was overexpressed in E.coli, and purified by using conventional chromatography techniques (105 aa, 11.7 kDa).
Species	Human
Source	E.coli
Protein Length	22-125 a.a.
Description	LAIR-1 is a glycoprotein(~32kDa) expressed on the surface of the majority of human peripheral blood mononuclear leukocytes including T cells , B cells, NK cells, macrophages and dendritic cells. LAIR-1 functions as an inhibitory receptor in NK cells, T cells and B cells. LAIR-1 consists of a leader sequence, extracellular domain, transmembrane domain, cytoplasmic region.
Formulation	Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 50 mM NaCl, 1 mM EDTA.
Molecular Weight	11.7 kDa (105 aa).
Purity	> 95% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequence	MQEEDLPRPS ISAEPGTVIP LGSHVTFVCR GPVGVQTFRL ERESRSTYND

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TEDVSQASPS ESEARFRIDS VSEGNAGPYR CIYYKPPKWS EQSDYLELLV
KETSG

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

[LAIR1](#)

Synonyms

LAIR1; leukocyte-associated immunoglobulin-like receptor 1; CD305; LAIR-1; hLAIR1; CD305 antigen; leukocyte-associated Ig-like receptor 1; LAIR1 leukocyte-associated immunoglobulin-like receptor 1.

Gene ID

[3903](#)

mRNA Refseq

[NM_002287.3](#)

Protein Refseq

[NP_002278.1](#)

MIM

[602992](#)

UniProt ID

[Q6GTX8](#)

**Chromosome
Location**

19q13.4

Pathway

SNARE interactions in vesicular transport; Membrane Trafficking.

Function

protein binding; receptor activity.

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