

# LAIR1 Human

*Leukocyte-Associated Ig-Like Receptor 1 Human Recombinant*  
RCP1213

## Product Overview

Name LAIR1 Human

### Description

Leukocyte-Associated Ig-Like Receptor 1 Human Recombinant

Accession (Primary) [Q6GTX8](#)

### Synonyms

Leukocyte-associated immunoglobulin-like receptor 1, LAIR-1, mLAIR1, CD305, LAIR1.

### Introduction

LAIR1 is a glycoprotein 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. Inhibitory receptors control the immune response to prevent lysis of cells recognized as self. Lair1 consists of a leader sequence, extracellular domain, transmembrane domain, cytoplasmic region. LAIR1 is a member of both the immunoglobulin superfamily and the leukocyte-associated inhibitory receptor family. LAIR1 maps to a region of 19q13.4 labeled the leukocyte receptor cluster, which contains at least 29 genes encoding leukocyte-expressed receptors of the immunoglobulin superfamily.

### Source

Sf9, Baculovirus cells.

### Physical Appearance

Sterile filtered colorless solution.

### Formulation

LAIR1 protein solution (0.5mg/ml) contains Phosphate buffered saline (pH7.4) and 10% glycerol.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Purity

Greater than 90.0% as determined by SDS-PAGE.

### Amino acid sequence

ADPQEGSLPD ITIFPNSSLM ISQGTFTVV CSYSDKHDLY NMVRLEKDGS TFMEKSTEPY KTEDEFEIGP  
VNETITGHYS CIYSKGITWS ERSKTLELKV IKENVIQTPA PGPTS DTSWL KTYSIY HHHH HH

## Precautions

LAIR1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

**Target Information: ( [Q6GTX8](#) )**