9051 Mira Mesa Blvd, #910094
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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, hLAIR1, CD305 antigen, LAIR1, CD305.

Introduction

LAIR1 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. 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

Escherichia Coli.

Physical Appearance

Sterile filtered colorless solution.

Formulation

The protein (1mg/ml) contains 20mM Tris-HCl (pH7.5) 50mM NaCl and 1mM EDTA.

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 95.0% as determined by SDS-PAGE.

Amino acid sequence

MQEEDLPRPS ISAEPGTVIP LGSHVTFVCR GPVGVQTFRL ERESRSTYND TEDVSQASPSESEARFRIDS VSEGNAGPYR CIYYKPPKWS EQSDYLELLV KETSG.

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Precautions

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

Target Information: (Q6GTX8)