9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

LAIR2 Human

Leukocyte-Associated Ig-Like Receptor 2 Human Recombinant
RCP1215

Product Overview

Name	LAIR2 Human
Description	
Leukocyte-Associated Ig-Like Receptor 2 Human Recombinant	
Accession (Primary)	Q6ISS4
Synonyms	
Leukocyte-associated immunoglobulin-like receptor 2, LAIR-2, CD306, LAIR2.	
Introduction	
Leukocyte-associated immunoglobulin-like receptor 2 (LAIR2) is a secreted, 131 amino acids protein which contains one IglikeC2 type domain, rendering it a member of the Ig superfamily. Even though one is secreted and one is membrane bound, the 2 LAIR proteins are assumed to have evolved from a common gene ancestor and seem to share similar adhesion profiles, suggesting that LAIR2 may compete with LAIR1 for ligand binding. LAIR2 was discovered by its similarity to LAIR1, which is an inhibitory receptor present on mononuclear leukocytes. The LAIR2 gene maps to a region of 19q13.4, dubbed the leukocyte receptor cluster, which contains 29 genes in the immunoglobulin superfamily, including LAIR1. The function of the LAIR2 protein is unknown, though it is assumed to be secreted and may help modulate mucosal tolerance.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
LAIR2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.	
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	
MGSSHHHHHH SSGLVPRGSH MGSHM QEGAL PRPSISAEPG TVISPGSHVT FMCRGPVGVQ TFRLEREDRA	

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KYKDSYNVFR LGPSESEARF HIDSVSEGNA GLYRCLYYKP PGWSEHSDFL ELLVKGTVPG TEASGFDAP.

Precautions

LAIR2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q6ISS4)