

Datasheet for ABIN7520289

LAIR2 Protein (His tag)



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Overview

Quantity:	100 µg
Target:	LAIR2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This LAIR2 protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human LAIR-2/CD306 Protein
Sequence:	QEGALPRPSI SAEPGTVISP GSHVTFMCRG PVGVQTFRLE REDRAKYKDS YNVFRLGPSE SEARFHIDSV SEGNAGLYRC LYYKPPGWSE HSDFLELLVK ESSGGPDSPD TEPGSSAGTV PGTEASGFDA P
Specificity:	Gln22-Pro152
Purity:	> 90 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by the ability of the immobilized protein to support the adhesion of HT-29 human colon adenocarcinoma cells. When 5 x 10 ⁴ cells/well are added to rhLAIR-2 coated plates (50 µg/mL with 100 µL/well), approximately 50%-60% will adhere after 10 minutes at 37°C.

Target Details

Target:	LAIR2
Alternative Name:	LAIR-2/CD306 (LAIR2 Products)
Background:	<p>Description: Leukocyte-associated immunoglobulin-like receptor 2 (LAIR2), also known as CD36, is a 131 amino acid protein containing one Ig-like C2-type domain, making it a member of the Ig superfamily. When compared to LAIR-1, its transmembrane counterpart, it shares 83 % aa identity across the signal sequence and extracellular domains, the two LAIR proteins are thought to have arisen from a common gene ancestor and appear to share similar adhesion profiles. LAIR2 is thought to be secreted and may help modulate mucosal tolerance. As a natural competitor for LAIR1, soluble LAIR2 prevents binding of human LAIR1 to collagens and LAIR1 cross-linking, thereby regulating its inhibitory potential. LAIR2 is thought to be secreted and may help modulate mucosal tolerance.</p> <p>Name: LAIR2,CD306</p>
Gene ID:	3904
UniProt:	Q6ISS4

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	<p>Store the lyophilized protein at -20°C to -80 °C for long term.</p> <p>After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.</p>