

## Recombinant Human Leukocyte-associated Immunoglobulin-like Receptor 2/ LAIR2/CD306 (C-Avi-6His) Biotinylated

Catalog No. PKSH033964

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

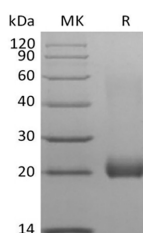
### Description

<b>Synonyms</b>	Leukocyte-Associated Immunoglobulin-Like Receptor 2;LAIR-2;CD306;LAIR2
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Gln22-Pro152
<b>Accession</b>	Q6ISS4
<b>Calculated Molecular Weight</b>	16.7 kDa
<b>Observed molecular weight</b>	20-25 kDa
<b>Tag</b>	C-Avi-His
<b>Bioactivity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

#### For Research Use Only

Leukocyte-Associated Immunoglobulin-Like Receptor 2 (LAIR2) is a secreted, 131 amino acid protein that contains 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% amino acid identity across the signal sequence and extracellular domains; although one is secreted and one is membrane-bound, the two LAIR proteins are thought to have arisen from a common gene ancestor and appear to share similar adhesion profiles. This suggests that LAIR-2 may compete with LAIR-1 for ligand binding. A 114 amino acid alternate splice form of LAIR-2 is truncated at the C terminus, but retains the entire Ig domain. The expression profile of these splice forms, and the presence of orthologs in other species, have not been reported.