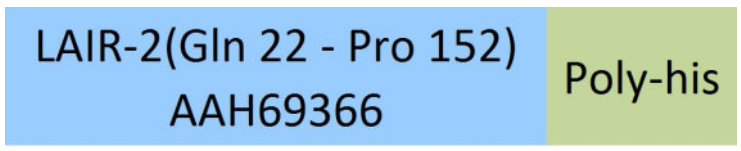
### Synonym

LAIR2,CD306

### Source

Human LAIR-2, His Tag(LA2-H5220) is expressed from human 293 cells (HEK293). It contains AA Gln 22 - Pro 152 (Accession # AAH69366 ).
Predicted N-terminus: Gln 22

### Molecular Characterization




This protein carries a polyhistidine tag at the C-terminus

The protein has a calculated MW of 14.9 kDa. The protein migrates as 18-20 kDa under reducing (R) condition (SDS-PAGE).

### Endotoxin

Less than 1.0 EU per μg by the LAL method.

### Purity

>95% as determined by SDS-PAGE.

### Formulation

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

### Reconstitution

Please see Certificate of Analysis for specific instructions.

***For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.***

### Storage

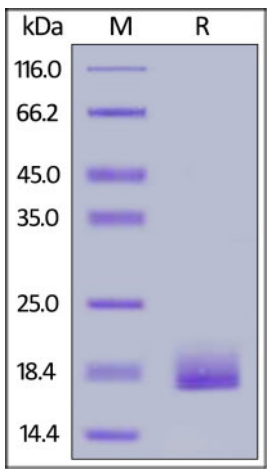
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

***Please avoid repeated freeze-thaw cycles.***

This product is stable after storage at:

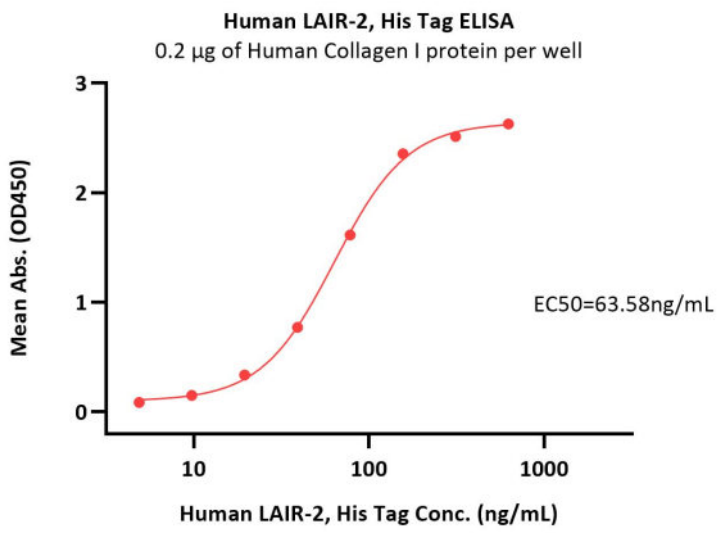
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

### SDS-PAGE




Human LAIR-2, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

### Bioactivity-ELISA




Immobilized Human Collagen I protein at 2 µg/mL (100 µL/well) can bind Human LAIR-2, His Tag (Cat. No. LA2-H5220) with a linear range of 5-78 ng/mL (QC tested).

## Background

Leukocyte-associated immunoglobulin-like receptor 2 (LAIR2) is also known as CD antigen CD306. LAIR2 contains one Ig-like C2-type (immunoglobulin-like) domain. LAIR2 is a member of the immunoglobulin superfamily and was identified by its similarity to LAIR1, an inhibitory receptor present on mononuclear leukocytes. LAIR2 / CD306 is thought to be secreted and may help modulate mucosal tolerance.

## Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.