

# Biotinylated Recombinant Human LAIR-2/CD306 Protein

Catalog No.: RP02569B Recombinant

## **Sequence Information**

**Species Gene ID Swiss Prot** Human 3904 Q6ISS4-1

**Tags** C-His&Avi

**Synonyms** 

LAIR-2; CD306; LAIR2; MGC71634; XXbac-BCX535A19.6

## **Product Information**

Source Purification

HEK293 cells ≥ 95 % as determined by Tris-Bis PAGE;≥ 95 % as determined by

HPLC.

Calculated MW Observed MW

17 kDa 20-25 kDa

**Endotoxin** 

< 1 EU/ $\mu g$  of the protein by LAL method.

### **Formulation**

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization. Contact us for customized product form or formulation.

## Reconstitution

Centrifuge the tube 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

#### **Contact**

**a** 400-999-6126

## **Background**

The leukocyte-associated immunoglobulin-like receptor 2 (LAIR2) shows increased expression during pregnancy and its reduced expression is associated with pregnancy complications. Although LAIR2 was expressed in the human placenta villus and decidua in the first trimester of pregnancy, it was not expressed in mouse tissues. Knockdown of LAIR2 markedly improved cell viability and inhibited the invasive ability of HTR8/SVneo cells.

## **Basic Information**

## **Description**

Biotinylated Recombinant Human LAIR2/CD306 Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains Gln22-Pro152.

#### **Bio-Activity**

#### **Shipping**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

## Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

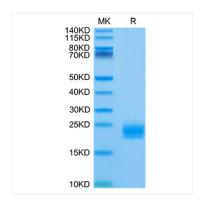
After reconstitution, the protein solution is stable at -20  $^{\circ}$ C for 3 months, at 2-8  $^{\circ}$ C for up to 1 week.

Avoid repeated freeze/thaw cycles.

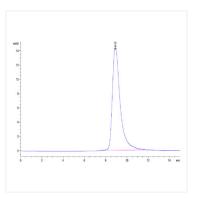
#### **Operational Notes**

For your safety and health, please wear a lab coat and disposable gloves for handling.

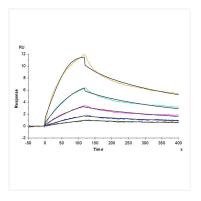
## **Validation Data**



Biotinylated Recombinant Human LAIR-2/CD306 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Huma LAIR2 is greater than 95% as determined by SEC-HPLC.



Biotinylated Human LAIR2, His-Avi Tag immobilized on CM5 Chip can bind Native Human Collagen I, No Tag with an affinity constant of 1.80 nM as determined in SPR assay (Biacore T200).