

# Human LAIR2 (CD306) (His Tag) recombinant protein



Catalog Number: 503209

## General Information

### Protein Construction

A DNA sequence encoding the human LAIR2 (NP\_002279.2) (Met 1-Pro 152) with a C-terminal polyhistidine tag was expressed.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by the ability of the immobilized protein to support the adhesion of HT-29 human colon adenocarcinoma cells. When  $1 \times 10^4$  cells/well are added to Recombinant Human LAIR2 coated plates (50  $\mu\text{g/ml}$  with 100  $\mu\text{l/well}$ ), approximately >40% cells will adhere after 10 minutes at 37°C. Optimal concentration depends on cell type as well as the application or research objectives.

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Gln 22

### Molecular Mass

The secreted recombinant human LAIR2 comprises 142 amino acids with a predicted molecular mass of 15.5 kDa. As a result of glycosylation, rhTIMP1 migrates as an approximately 20 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4  
1. 5 % trehalose and mannitol are added as protectants before lyophilization.  
2. Please contact us for any concerns or special requirements.

## Usage Guide

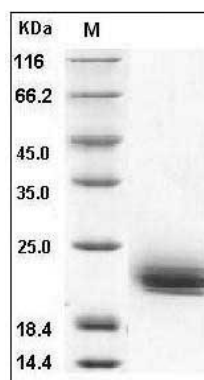
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human LAIR2 / CD306 Protein (His Tag) SDS-PAGE