

General Information

Protein Construction

A DNA sequence encoding the human LAIR2 (NP_002279.2) (Met 1-Pro 152) was expressed and purified.

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 5×10^4 cells/well are added to recombinant human LAIR2 coated plates (50 $\mu\text{g/ml}$ with 100 $\mu\text{l/well}$), >30% will adhere after 30 minutes at 37°C. Optimal concentration depends on cell type as well as the application or research objectives.

Purity

> 93 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg 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 131 amino acids with a predicted molecular mass of 14.1 kDa. As a result of glycosylation, the apparent molecular mass of rh LAIR2 is approximately 22 kDa in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 50mM Tris, 0.7M NaCl, pH 8.0

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

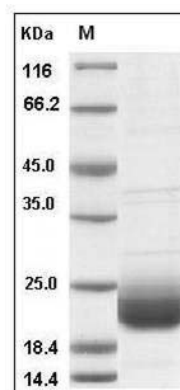
Storage

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 SDS-PAGE