

Human LILRB2 / ILT4 / LIR-2 (Fc Tag) recombinant protein



Catalog Number: 503590

General Information

Gene Name Synonym

CD85 antigen-like family member D;
Immunoglobulin-like transcript 4;
Monocyte/macrophage immunoglobulin-like
receptor 10

Protein Construction

A DNA sequence encoding the human LILRB2 (AAH36827.1) (Met1-Val461) was expressed with the Fc region of human IgG1 at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to support the adhesion of HSB2 human peripheral blood acute lymphoblastic leukemia cells.

When 8×10^4 cells/well are added to LILRB2 coated plates (4.4 $\mu\text{g}/\text{mL}$ with 100 $\mu\text{L}/\text{well}$), approximately >45% cells will adhere for 1 hour incubation at 37°C.

Purity

> 85 % 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 recombinant human LILRB2/Fc is a disulfide-linked homodimer. The reduced monomer comprises 681 amino acids and has a predicted molecular mass of 74.8 kDa. The apparent molecular mass of the protein is approximately 93 kDa 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

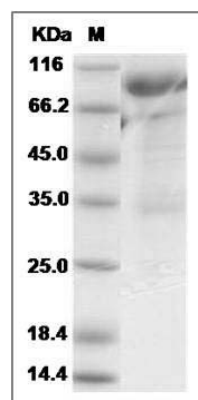
Storage

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



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SDS-PAGE