

Human Junctional Adhesion Molecule A (Fc Tag) recombinant protein



Catalog Number: 503809

General Information

Gene Name Synonym

F11 receptor protein; F11 receptor, isoform CRA_c; F11R protein; JAM1; cDNA FLJ90671 fis, clone PLACE1005544, highly similar to Junctional adhesion molecule 1

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Ala 242) of human JAM-A (NP_058642.1) precursor was expressed with the fused Fc region of human IgG1 at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by the ability of the immobilized protein to support the adhesion of Jurkat human acute T cell leukemia cells.

When 8×10^4 cells/well are added to JAM-A-Fc coated plates (2.5 µg/mL, 100 µL/well) in the presence of 20 ng/mL PMA, approximately 30-40% will adhere after 30 minutes at 37°C.

Purity

> 95 % 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

Ser 28

Molecular Mass

The mature recombinant human JAM-A/Fc chimera is a disulfide-linked homodimeric protein. The reduced monomer comprises 453 amino acids and has a calculated molecular mass of 50 kDa. As a result of glycosylation, the rh JAM-A/Fc monomer migrates as an approximately 61 kDa protein in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5

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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