

Rat Junctional Adhesion Molecule B (His Tag) recombinant protein



Catalog Number: 504174

General Information

Protein Construction

A DNA sequence encoding the rat JAM2 (Q3MHC0) (Met1-Asn236) was expressed, fused with a polyhistidine tag at the C-terminus.

Organism

Rat

Expression Host

Human Cells

QC Testing

Activity

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

When cells (8 x 10⁴ cells/well) are added to ratJAM2-His coated plates (5 µg/mL, 100 µL/well), >30% will adhere after 60 minutes at 37°C.

Purity

> 90 % 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

Phe 29

Molecular Mass

The recombinant rat JAM2 comprises 219 amino acids and predicts a molecular mass of 24.7 kDa. The apparent molecular mass of the recombinant protein is approximately 43 kDa in SDS-PAGE under reducing conditions due to glycosylation.

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

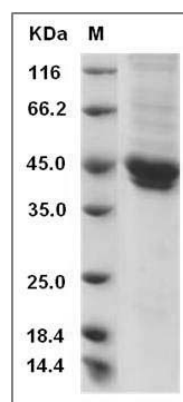
Storage

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



Rat JAM-2 / JAM-B Protein (His Tag) SDS-PAGE