

Recombinant Rat Jam2 protein(Met1-Asn236), His-tagged

Cat. No. Jam2-7493R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat JAM2 (Q3MHC0) (Met1-Asn236) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	1-236 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of Jurkat human acute T cell leukemia cells. When cells (8×10^4 cells/well) are added to rat JAM2-His coated plates (5 µg/mL, 100 µL/well), >30% will adhere after 60 minutes at 37°C.
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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE

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Storage

Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. 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

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION**Gene Name**

Jam2 junctional adhesion molecule 2 [*Rattus norvegicus*]

Official Symbol

Jam2

Synonyms

JAM2; junctional adhesion molecule 2; junctional adhesion molecule B; junction adhesion molecule 2;

Gene ID

619374

mRNA Refseq

NM_001034004

Protein Refseq

NP_001029176

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