

## 32-7422: Recombinant Human Junctional Adhesion Molecule A/JAM-A/CD321 (C-6His)

**Gene :** F11R  
**Gene ID :** 50848  
**Uniprot ID :** Q9Y624

### Description

Source: Human Cells.  
MW :23.89kD.

Recombinant Human JAM-A is produced by our Mammalian expression system and the target gene encoding Ser28-Val238 is expressed with a 6His tag at the C-terminus. Junctional Adhesion Molecule A (JAM-A) is a single-pass type I membrane protein that belongs to the immunoglobulin superfamily. JAM-A contains 2 Ig-like V-type (immunoglobulin-like) domains and interacts with the ninth PDZ domain. JAM-A is localized to the tight junctions of both epithelial and endothelial cells. JAM-A seems to be involved in epithelial tight junction formation. JAM-A appears early in primordial forms of cell junctions and recruits PARD3. The association of the PARD6-PARD3 complex may prevent the interaction of PARD3 with JAM-A, thereby preventing tight junction assembly. JAM-A plays a role in regulating monocyte transmigration involved in regulating integrity of the epithelial barrier. In the case of orthoreovirus infection, JAM-A serves as receptor for the virus.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM TrisHCl, 50mM NaCl, 100mM Glycine, pH 7.5.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** SVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRVEWKFDQGDTRRLVCYNNKITASYEDRVTFLLPTGITFKSVTRE DTGTYTCMVSEEGNSYGEVKVVLIVLPPSKPTVNIPSSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNP KSTRAFSNSSYVLNPTTGELVDFDPLSASDTGEYSCEARNGYGTPTSNAVRMEAVERNVGVDDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.