
Product Data Sheet

Product Name: F11R Human
 Cat. No.: GP23434
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Junctional adhesion molecule A; JAM-A; Junctional adhesion molecule 1; JAM-1; Platelet F11 receptor; Platelet adhesion molecule 1; PAM-1; CD321; F11R; JAM1; JCAM; JAM; KAT; JAMA.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHTMLGSVT VHSSEPEVRI PENNPVKLSC AYSGFSSPRV EWKFDQDGT RLVCYNKKIT ASYEDRVTF LPTGITFKSVT REDTGTYTCM VSEEGGNSYG EVKVKLIVLV PPSKPTVNIP SSATIGNRAV LTCSEQDGSP PSEYTWFKDG IVMPNPKSTRAFSNSSYVL NPTTGELVFD PLSASDTGEY SCEARNGYGT PMTSNAVRME AVERNVG V.		
Formulation	F11R protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 0.15M NaCl and 1mM DTT.		

Introduction

F11R (CD321) is a member of the immunoglobulin superfamily. F11R has a role in epithelial tight junction formation. Tight junctions exemplify one type of cell-to-cell adhesion in epithelial or endothelial cell sheets, establishing continuous seals around cells and acting as a physical barrier to thwart solutes and water from passing easily through the paracellular space. F11R protein can function as a receptor for reovirus, or as a ligand for the integrin LFA1, involved in leukocyte transmigration, or a platelet receptor.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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F11R Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 238 amino acids (26-238 a.a) and having a molecular mass of 25.8kDa. F11R is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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