

## Product datasheet for **KN200004**

### Junctional Adhesion Molecule 1 (F11R) Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA:	GFP-puro
Symbol:	Junctional Adhesion Molecule 1
Locus ID:	50848
Components:	<b>KN200004G1</b> , Junctional Adhesion Molecule 1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: ACCGATTCTCCCGAACTC <b>KN200004G2</b> , Junctional Adhesion Molecule 1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGACAAAGGCGCAAGTCGAG <b>KN200004D</b> , donor DNA containing left and right homologous arms and GFP-puro functional cassette. <b>GE100003</b> , scramble sequence in pCas-Guide vector
Disclaimer:	These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process.
RefSeq:	<a href="#">NM_016946</a> , <a href="#">NM_144501</a> , <a href="#">NM_144502</a> , <a href="#">NM_144503</a> , <a href="#">NM_144504</a> , <a href="#">NM_001348091</a>
UniProt ID:	<a href="#">Q9Y624</a>
Synonyms:	CD321; JAM; JAM1; JAMA; JCAM; KAT; PAM-1
Summary:	Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. The protein encoded by this immunoglobulin superfamily gene member is an important regulator of tight junction assembly in epithelia. In addition, the encoded protein can act as (1) a receptor for reovirus, (2) a ligand for the integrin LFA1, involved in leukocyte transmigration, and (3) a platelet receptor. Multiple 5' alternatively spliced variants, encoding the same protein, have been identified but their biological validity has not been established. [provided by RefSeq, Jul 2008]



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Product images:

