

## Product datasheet for **RC234931**

### JAKMIP2 (NM\_001270941) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	JAKMIP2 (NM_001270941) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	JAKMIP2
Synonyms:	JAMIP2; NECC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC234931 representing NM\_001270941  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCCAAGAAAGGGCGAAATAAGGGCGAGAAGCCCGAGGCACTCATTGTTGCCCTTCAAGCTGCCAATG  
 AAGACCTCAGGACCAAGCTCACAGACATTCAGATAGAGCTGCATCAAGAGAAGTCCAAGGTATCAAAGCT  
 TGAAAGAGAGAAGACTCAAGAAGCGAAGAGGATTCGTGAGCTGGAGCAGCGCAAGCACACGGTGTGGTG  
 ACAGAACTCAAAGCCAAGCTCCATGAGGAGAAGATGAAGGAGCTGCAGGCTGTGAGGGAGAACCATTATCA  
 AGCAGCACGAGCAGGAAATGTCAAGGACGGTGAAGGTACGTGATGGAGAGATCCAGAGGCTCAAGTCTGC  
 TCTCTGTGCTCTCCGCGACGGCAGCAGTGAACAAGTAAGGACAGCGCTCACCATTTAGGCCCGGGAGGAG  
 GCCCGAAACTGTTTGACACAGAGCGCCTTAAGCTCTTACAGGAAATTGCGGACCTGAAAACGGCCAAGA  
 AGCAGGTGGACGAGGCTCTGAGCAATATGATCCAAGCAGATAAAATCAAGGCTGGGGACCTTCGGAGTGA  
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 GATGAAATCAAAGCCAAGGACAGGATCATCTTTCCCTGGAAAAGGAACTGGAGACCCAGACAGGCTATG  
 TACAGAACTCCAACCTCAGAAGGAGGCTTTGGACGAACAACCTTTTCTGGTCAAGGAGGCTGAGTGCAA  
 CATGAGCAGCCAAAACGAGAAATTCAGGAAGGGCAGGTGATGGTTCGGAACACTGCAGCAGTCCCTGAT  
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 GGAAGGAACAAGTGCCTCGCCAAGAGAAACGATGAAGTATGGTGTCTTGCAGCGCATGGAAGAAAAA  
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 TAAATCTCTGAATGACCTCGACCAAGCTAATGAAGAACAAGAAACAGAGTTTCTAAAATTCAGTGCAT  
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 AAGTTTAGCAGCTGAAGAATCTGAAGTAAAGATTCGACAATTAACAAAAGAATATCAGGCCCTCAAAGA  
 GCATATGCCCTCCTACAGGAGCAGACGGGAGGCATCATCGACGCTGAACGAGAAGCCAAGGCTCAAGAAC  
 AGCTCCAAGCAGAGGTGCTAAGGTATAAGCCAAAATTTGAAGACCTGGAAGCGACTCTGGCTCAGAAAGG  
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 TCTATGGCCT

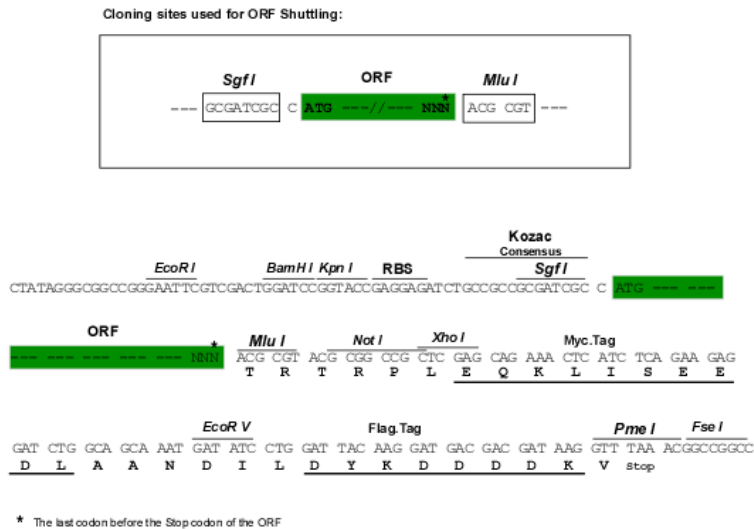
**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC234931 representing NM\_001270941  
Red=Cloning site Green=Tags(s)

MSKKGRNKGEKPEALIVALQAANEDLRTKLTDIQIELHQEKSKVSKLEREKTQEAKRIRELEQRKHTVLV  
TELKAKLHEEKMKELQAVRENLIKQHEQEMSRTVKVRDGEIQLKSAFCALRDGSSDKVRTALTEAREE  
ARKLFDTERLKLQEIADLKTAKKQVDEALSNMIQADKIKAGDLRSEHQSHQEAISKIKWESERDIRRLM  
DEIKAKDRIIFSLEKELETQTGYVQKLQLQKEALDEQLFLVKEAECNMSSPKREIPGRAGDGEHCSSPD  
LRRNQKRIAELNATIRKLEDRNTLLGDERNELLRVRETEKQCKPLLERNKCLAKRNDLMVSLQRMEEK  
LKAVTKENSEMREKITSHPPLKLLKSLNDLDQANEEQETEFLLKLVIEQQNIIDELTRDREKLIRRRKHR  
RSSKPIKRPVLDPFIFYDEDSMDSETSSMASFRTRTPATPDDDLDESAAEESELRFRLTKEYQALQR  
AYALLQEQTGGIIDAEREAKAQEQQAQEVRLRYKAKIEDLEATLAQKQDQSHWVEDKQLFIKRNQELLEKI  
EKQEAENHRLQQELQDARDQNELLEFRNLELEERERRSPPFNLQIHPFSDGVSALQIYCMKEGVKDVNIP  
DLIKQLDILGDNGNLRNEEQVAIIQASTVLSLAEKWIQQIEGAEAAALHQKMMELSDMEQFCKIKGYLEE  
ELDYRQALDQAYMRIQELEATLYNALQQETVIKFGELLSEKQQEELRTAVEKLRRQMLRKSREYDCQIL  
QERMELLQQAHRIRDLEDKTDIQKRQIKDLEEKFLFLFLFFSLAFILWP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001270941

**ORF Size:** 2460 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001270941.2](#)

**RefSeq Size:** 9272 bp

**RefSeq ORF:** 2463 bp

**Locus ID:** 9832

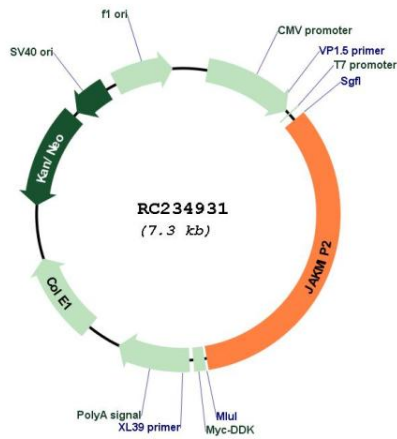
**UniProt ID:** [Q96AA8](#)

**Cytogenetics:** 5q32

**MW:** 96.7 kDa

**Gene Summary:** The protein encoded by this gene is reported to be a component of the Golgi matrix. It may act as a golgin protein by negatively regulating transit of secretory cargo and by acting as a structural scaffold of the Golgi. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]

**Product images:**



Circular map for RC234931