

## Product datasheet for **RC234897**

### JAKMIP2 (NM\_001270934) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	JAKMIP2 (NM_001270934) 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:**

>RC234897 representing NM\_001270934  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCCAAGAAAGGGCGAAATAAGGGCGAGAAGCCCGAGGCACTCATTGTTGCCCTTCAAGCTGCCAATG  
 AAGACCTCAGGACCAAGCTCACAGACATTCAGATAGAGCTGCATCAAGAGAAGTCCAAGGTATCAAAGCT  
 TGAAAGAGAGAAGACTCAAGAAGCGAAGAGGATTCGTGAGCTGGAGCAGCGCAAGCACACGGTGCTGGTG  
 ACAGAACTCAAAGCCAAGCTCCATGAGGAGAAGATGAAGGAGCTGCAGGCTGTGAGGGAGAACCCTTATCA  
 AGCAGCACGAGCAGGAAATGTCAAGGACGGTGAAGGTACGTGATGGAGAGATCCAGAGGCTCAAGTCTGC  
 TCTCTGTGCTCTCCGCGACGGCAGCAGTACAAAGTAAGGACAGCGCTCACCATTTAGGCCCGGGAGGAG  
 GCCCGAAACTGTTTGACACAGAGCGCCTTAAGCTCTTACAGGAAATTGCGGACCTGAAAACGGCCAAGA  
 AGCAGGTGGACGAGGCTCTGAGCAATATGATCCAAGCAGATAAAATCAAGGCTGGGGACCTTCGGAGTGA  
 GCATCAGTCCCACCAAGAAGCCATCTCGAAGATCAAGTGGGAGTCGGAGCGGGATATTCCGAGGCTGATG  
 GATGAAATCAAAGCCAAGGACAGGATCATCTTTCCCTGGAAAAGGAACTGGAGACCCAGACAGGCTATG  
 TACAGAACTCCAACCTCAGAAGGAGGCTTTGGACGAACAACCTTTTCTGGTCAAGGAGGCTGAGTGCAA  
 CATGAGCAGCCAAAACGAGAAATTCAGGAAGGGCAGGTGATGGTTCGGAACACTGCAGCAGTCCCTGAT  
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 TGCTTGGAGATGAACGAAATGAAGTGTAAAACGTGTGCGGAAACCGAAAAGCAATGTAACCTCTCCT  
 GGAAGGAACAAGTGCCTCGCCAAGAGAAACGATGAAGTATGGTGTCTTGCAGCGCATGGAAGAAAAA  
 CTAAGGCGGTTACCAAGGAAAAATTCAGAAATGAGAGAAAAAATAACATCCCATCCACCCTGAAGAAAT  
 TAAAATCTGAATGACCTCGACCAAGCTAATGAAGAACAAGAAACAGAGTTTCTAAAACCTCAGGTCAT  
 TGAGCAACAGAACATTATTGATGAGCTCACAAGGGACCGAGAAAAGCTCATCCGTAGAAGAAAGCATAGA  
 AGAAGTCCAAGCCAATTAAGAGGCCTGTTTTGGACCCGTTTATTGGCTATGATGAGGACTCTATGGATT  
 CAGAGACATCATCCATGGCCTCATTTAGAACAGACAGAACCAGCTACTCCTGATGATGACTTGGATGA  
 AAGTTTAGCAGCTGAAGAATCTGAAGTAAAGATTCGACAATTAACAAAAGAATATCAGGCCCTCAAAGA  
 GCATATGCCCTCCTACAGGAGCAGACGGGAGGCATCATCGACGCTGAACGAGAAGCCAAGGCTCAAGAAC  
 AGCTCCAAGCAGAGGTGCTAAGGTATAAGCCAAAATTAAGACCTGGAAGCGACTCTGGCTCAGAAAGG  
 GCAGATAGAAAAACAGGAGGCAGAAAATCACCGGTTACAACAAGAACTACAGGACCCAGAGACCAGAAT  
 GAGCTGCTGGAGTTTCGAAACCTAGAGCTAGAAGAGAGAGAGACGATCCCCTCCATTTAATCTCCAAA  
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 AGGAGCTGAGGACGGCAGTAGAAAAGTTACGGCGGCAATGCTGAGGAAGAGCAGAGATGACTGTCA  
 GATTCTTCAGGAGAGAATGGAGCTTTACAGCAAGCCCATCAGAGAATTCGTGACTTAGAAGATAAAAACA  
 GACATCCAGAAAAGACAATAAAGACTTAGAAGAAAAGTTTCTGTTTCTATTCTTGTCTCTCTCTTG  
 CCTTTATTCTATGGCCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTAA

**Protein Sequence:** >RC234897 representing NM\_001270934  
 Red=Cloning site Green=Tags(s)

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MSKKGRNKGEKPEALIVALQAANEDLRTKLTDIQIELHQEKSKVSKLEREKTQEAKRIRELEQRKHTVLV
TELKAKLHEEKMKELQAVRENLIKQHEQEMSRTVKVRDGEIQLKSAICALRDGSSDKVRTALTIAREE
ARKLFDTERLKLQEIADLKTAKKQVDEALSNMIQADKIKAGDLRSEHQSHQEAISKIKWESERDIRRLM
DEIKAKDRIIIFSLEKELETQTGYVQKLQLQKEALDEQLFLVKEAECNMSSPKREIPGRAGDGEHCSSPD
LRRNQKRIAELNATIRKLEDRNTLLGDERNELLRVRETEKQCKPLLERNKCLAKRNDLMVSLQRMEEK
LKAVTKENSEMREKITSHPPLKLLKSLNDLDQANEEQETEFLLKLVIEQQNIIDELTRDREKLIRRRKHR
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AYALLQEQTGGIIDAEREAKAQEQQAQAEVLRKAKIEDLEATLAQKQIEKQEAENHRLQQELQDARDQN
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AIIQASTVLSLAEKWIQQIEGAEAAALHQKMMELSDMEQFCKIKGYLEEELDYRKQALDQAYMRIQELEA
TLYNALQQETVIKFGELLSEKQQEELRTAVEKLRRQMLRKSREYDCQILQERMELLQQAHRIRDLEDKT
DIQKRQIKDLEEKFLFLFLFFSLAFILWP
  
```

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001270934

**ORF Size:** 2397 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\\_001270934.2](#)

**RefSeq Size:** 9209 bp

**RefSeq ORF:** 2400 bp

**Locus ID:** 9832

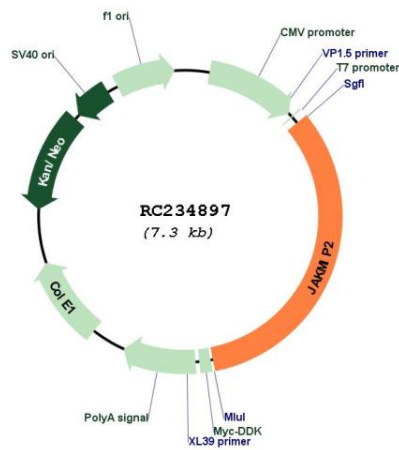
**UniProt ID:** [Q96AA8](#)

**Cytogenetics:** 5q32

**MW:** 94.1 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 RC234897