

## Product datasheet for **RG234931**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	JAKMIP2 (NM_001270941) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	JAKMIP2
Synonyms:	JAMIP2; NECC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG234931 representing NM\_001270941  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCCAAGAAAGGGCGAAATAAGGGCGAGAAGCCCGAGGCACTCATTGTTGCCCTTCAAGCTGCCAATG  
 AAGACCTCAGGACCAAGCTCACAGACATTCAGATAGAGCTGCATCAAGAGAAGTCCAAGGTATCAAAGCT  
 TGAAAGAGAGAAGACTCAAGAAGCGAAGAGGATTCGTGAGCTGGAGCAGCGCAAGCACACGGTGCTGGTG  
 ACAGAACTCAAAGCCAAGCTCCATGAGGAGAAGATGAAGGAGCTGCAGGCTGTGAGGGAGAACCCTTATCA  
 AGCAGCACGAGCAGGAAATGTCAAGGACGGTGAAGGTACGTGATGGAGAGATCCAGAGGCTCAAGTCTGC  
 TCTCTGTGCTCTCCGCGACGGCAGCAGTGAACAAGTAAGGACAGCGCTCACCATTTAGGCCCCGGGAGGAG  
 GCCCGAAACTGTTTGACACAGAGCGCCTTAAGCTCTTACAGGAAATTGCGGACCTGAAAACGGCCAAGA  
 AGCAGGTGGACGAGGCTCTGAGCAATATGATCCAAGCAGATAAAATCAAGGCTGGGGACCTTCGGAGTGA  
 GCATCAGTCCCACCAAGAAGCCATCTCGAAGATCAAGTGGGAGTCGGAGCGGGATATTCCGAGGCTGATG  
 GATGAAATCAAAGCCAAGGACAGGATCATCTTTCCCTGGAAAAGGAACTGGAGACCCAGACAGGCTATG  
 TACAGAACTCCAACCTCAGAAGGAGGCTTTGGACGAACAACCTTTTCTGGTCAAGGAGGCTGAGTGCAA  
 CATGAGCAGCCAAAACGAGAAATTCAGGAAGGGCAGGTGATGGTTCGGAACACTGCAGCAGTCCCTGAT  
 TTGCGAAGAAATCAAAGAGAATAGCTGAATTGAATGCCACTATAAGAAAATTAGAAGACAGGAATACCT  
 TGCTTGGAGATGAACGAAATGAAGTGTAAAACGTGTGCGGGAACCGAAAAGCAATGTAACCTCTCCT  
 GGAAGGAACAAGTGCCTCGCCAAGAGAAACGATGAAGTATGGTGTCTTGCAGCGCATGGAAGAAAAA  
 CTAAGAGCCGTTACCAAGGAAAAATTCAGAAATGAGAGAAAAAATAACATCCCATCCACCCTGAAGAAAT  
 TAAATCTCTGAATGACCTCGACCAAGCTAATGAAGAACAAGAAACAGAGTTTCTAAAATTCAGTGCAT  
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 AAGTTTAGCAGCTGAAGAATCTGAAGTAAAGATTCGACAATTAACAAAAGAATATCAGGCCCTCAAAGA  
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 ATTCTCAGATGGTGTGAGTGTCTACAGATCTACTGTATGAAAAGAGGTGTTAAGGATGTGAACATCCCT  
 GATCTCATAAAGCAGCTTGATATCTTGGGTGATAATGGGAATTTAAGAAATGAAGAAACAGTGGCCATAA  
 TTCAGGCCAGCACTGTGCTGTCCCTGGCAGAGAAGTGGATCCAGCAGATTGAAGGAGCTGAGGCTGCCCT  
 ACACCAGAAAAATGATGGAATTGGAAGTGCATGGAACAGTTCGCAAAAATAAAGGCTATCTGGAGGAA  
 GAAGTACTACAGAAAACAAGCTCTTGACCAAGCATATGAGAATCCAGGAACTAGAAGCTACTTTGT  
 ACAATGCTCTACAGCAAGAACTGTTATCAAGTTTGGTGAATTATTAAGTAAAAACAGCAAGAGGAGCT  
 GAGGACGGCAGTAGAAAAGTTACGGCGGCAAAATGCTGAGGAAGAGCAGAGAGATGACTGTCAGATTCTT  
 CAGGAGAGAATGGAGCTTTACAGCAAGCCATCAGAGAATTCGTGACTTAGAAGATAAAACAGACATCC  
 AGAAAAGACAAATAAAAGACTTAGAAGAAAAGTTTCTGTTTCTATTCTTGTCTCTCTCTCTCTCTCTTAT  
 TCTATGGCCT

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >RG234931 representing NM\_001270941  
 Red=Cloning site Green=Tags(s)

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MSKKGRNKGEKPEALIVALQAANEDLRTKLTDIQIELHQEKSKVSKLEREKTQEAKRIRELEQRKHTVLV
TELKAKLHEEKMKELQAVRENLIKQHEQEMSRTVKVRDGEIQLKSALCALRDGSSDKVRTALTIEAREE
ARKLFDTERLKLLEIADLKTAKKQVDEALSNMIQADKIKAGDLRSEHQSHQEAIISKIKWESERDIRRLM
DEIKAKDRIIFSLEKELETQTGYVQKLQLQKEALDEQLFLVKEAECNMSSPKREIPGRAGDGEHCSSPD
LRRNQKRIAELNATIRKLEDRNTLLGDERNELLRVRETEKQCKPLLERNKCLAKRNDLMVSLQRMEEK
LKAVTKENSEMREKITSHPPLKLLKSLNDLDQANEEQETEFLLKLVIEQQNIIDELTRDREKLIRRRKHR
RSSKPIKRPVLDPFIFYDEDSMDSETSSMASFRTRTPATPDDDLDESAAEESELRFRLTKEYQALQR
AYALLQEQTGGIIDAEREAKAQEQQAQEVRLRYKAKIEDLEATLAQKQDQSHWVEDKQLFIKRNQELLEKI
EKQEAENHRLQQELQDARDQNELLEFRNLELEERERRSPPFNLIHPFSDGVSALQIYCMKEGVKDVNIP
DLIKQLDILGDNGNLRNEEQVAIIQASTVLSLAEKWIQQIEGAEAAALHQKMMELSDMEQFCKIKGYLEE
ELDYRKQALDQAYMRIQELEATLYNALQQETVIKFGELLSEKQQEELRTAVEKLRRQMLRKSREYDCQIL
QERMELLQQAHRIRDLEDKTDIQKRQIKDLEEKFLFLFLFFSLAFILWP
  
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-Mlul



**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

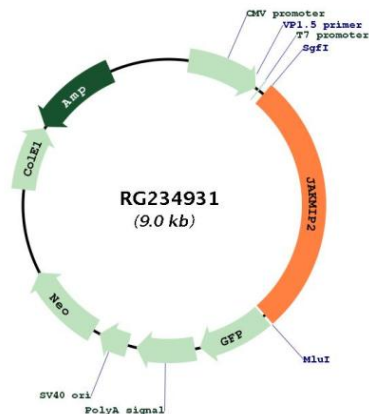
**Locus ID:** 9832

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

**Cytogenetics:** 5q32

**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 RG234931