

## Product datasheet for **RC205654**

### JAKMIP2 (NM\_014790) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	JAKMIP2 (NM_014790) 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)



[View online »](#)

**ORF Nucleotide  
Sequence:**

>RC205654 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCCAAGAAAGGGCGAAATAAGGGCGAGAAGCCCGAGGCACTCATTGTTGCCCTTCAAGCTGCCAATG  
 AAGACCTCAGGACCAAGCTCACAGACATTCAGATAGAGCTGCATCAAGAGAAGTCCAAGGTATCAAAGCT  
 TGAAAGAGAGAAGACTCAAGAAGCGAAGAGGATTCGTGAGCTGGAGCAGCGCAAGCACACGGTGCTGGTG  
 ACAGAACTCAAAGCCAAGCTCCATGAGGAGAAGATGAAGGAGCTGCAGGCTGTGAGGGAGAACCATTATCA  
 AGCAGCACGAGCAGGAAATGTCAAGGACGGTGAAGGTACGTGATGGAGAGATCCAGAGGCTCAAGTCTGC  
 TCTCTGTGCTCTCCGCGACGGCAGCAGTGAACAAGTAAGGACAGCGCTCACCATTTAGGCCCGGGAGGAG  
 GCCCGAAACTGTTTGACACAGAGCGCCTTAAGCTCTTACAGGAAATTGCGGACCTGAAAACGGCCAAGA  
 AGCAGGTGGACGAGGCTCTGAGCAATATGATCCAAGCAGATAAAATCAAGGCTGGGGACCTTCGGAGTGA  
 GCATCAGTCCCACCAAGAAGCCATCTCGAAGATCAAGTGGGAGTCGGAGCGGGATATTCCGAGGCTGATG  
 GATGAAATCAAAGCCAAGGACAGGATCATCTTTCCCTGGAAAAGGAACTGGAGACCCAGACAGGCTATG  
 TACAGAACTCCAACCTCAGAAGGAGGCTTTGGACGAACAACCTTTTCTGGTCAAGGAGGCTGAGTGCAA  
 CATGAGCAGCCAAAACGAGAAATTCAGGAAGGGCAGGTGATGGTTCGGAACACTGCAGCAGTCCCTGAT  
 TTGCGAAGAAATCAAAGAGAATAGCTGAATTGAATGCCACTATAAGAAAATTAGAAGACAGGAATACCT  
 TGCTTGGAGATGAACGAAATGAAGTGTAAAACGTGTGCGGGAACCGAAAAGCAATGTAACCTCTCCT  
 GGAAGGAACAAGTGCCTCGCCAAGAGAAACGATGAAGTATGGTGTCTTGCAGCGCATGGAAGAAAAA  
 CTAAGGCCGTTACCAAGGAAAAATTCAGAAATGAGAGAAAAAATAACATCCCATCCACCCTGAAGAAAT  
 TAAAATCTCTGAATGACCTCGACCAAGCTAATGAAGAACAAGAAACAGAGTTTCTAAAACCTCAGGTCAT  
 TGAGCAACAGAACATTATTGATGAGCTCACAAGGGACCGAGAAAAGCTCATCCGTAGAAGAAAGCATAGA  
 AGAAGTCCAAGCCAATTAAGAGGCCTGTTTTGGACCCGTTTATTGGCTATGATGAGGACTCTATGGATT  
 CAGAGACATCATCCATGGCCTCATTTAGAACAGACAGAACCAGCTACTCCTGATGATGACTTGGATGA  
 AAGTTTAGCAGCTGAAGAATCTGAAGTAAAGATTCGACAATTAACAAAAGAATATCAGGCCCTCAAAGA  
 GCATATGCCCTCCTACAGGAGCAGACGGGAGGCATCATCGACGCTGAACGAGAAGCCAAGGCTCAAGAAC  
 AGCTCCAAGCAGAGGTGCTAAGGTATAAGCCAAAATTAAGACCTGGAAGCGACTCTGGCTCAGAAAGG  
 GCAGGATTCACACTGGTGAAGATAAACAACCTTTTCATTAAGAGAAACCAGGAGCTTTTAGAAAAGATA  
 GAAAAACAGGAGGCAGAAAATCACCGGTTACAACAAGAACTACAGGACGCCAGAGACCAGAATGAGCTGC  
 TGGAGTTTCGAAACCTAGAGCTAGAAGAGAGAGAGACGATCCCCTCCATTTAATCTCCAAATCACCC  
 ATTCTCAGATGGTGTGAGTGCTCTACAGATCTACTGTATGAAAAGAGGTGTTAAGGATGTGAACATCCCT  
 GATCTCATAAAGCAGCTTGATATCTTGGGTGATAATGGGAATTTAAGAAATGAAGAACAAGTGGCCATAA  
 TTCAGGCCAGCACTGTGCTGTCCCTGGCAGAGAAGTGGATCCAGCAGATTGAAGGAGCTGAGGCTGCCCT  
 ACACCAGAAAATGATGGAATTGGAAGTGAATGGAACAGTTCGCAAAAATAAAGGCTATCTGGAGGAA  
 GAACTAGACTACAGAAAACAAGCTCTTGACCAAGCATATGAGAATCCAGGAACTAGAAGCTACTTTGT  
 ACAATGCTCTACAGCAAGAACTGTTATCAAGTTTGGTGAATTATTAAGTAAAAACAGCAAGAGGAGCT  
 GAGGACGGCAGTAGAAAAGTTACGGCGGCAATGCTGAGGAAGAGCAGAGAGATGACTGTCAGATTCTT  
 CAGGAGAGAATGGAGCTCTTACAGCAAGCCCATCAGAGAATTCGTGACTTAGAAGATAAAACAGACATCC  
 AGAAAAGACAAAATAAAGACTTAGAAGAAAAGAGTAACCGAAAACATGGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC205654 protein sequence  
Red=Cloning site Green=Tags(s)

MSKKGRNKGEKPEALIVALQAANEDLRTKLTDIQIELHQEKSKVSKLEREKTQEAKRIRELEQRKHTVLV  
TELKAKLHEEKMKELQAVRENLIKQHEQEMSRTVKVRDGEIQLKSAFCALRDGSSDKVRTALTEAREE  
ARKLFDTERLKLLEIADLKTAKKQVDEALSNMIQADKIKAGDLRSEHQSHQEAISKIKWESERDIRRLM  
DEIKAKDRIIIFSLEKELETQTGYVQKLQLQKEALDEQLFLVKEAECNMSSPKREIPGRAGDGEHCSSPD  
LRRNQKRIAEELNATIRKLEDRNTLLGDERNELLRVRETEKQCKPLLELNKCLAKRNDLMVSLQRMEEK  
LKAVTKENSEMREKITSHPPLKLLSLNDLDQANEEQETEFLLKLVIEQQNIIDELTRDREKLIRRRKHR  
RSSKPIKRPVLDPFIFYDEDSMDSETSSMASFRDTRTPATPDDDLDESAAEESELRFRLTKEYQALQR  
AYALLQEQTGGIIDAEREAKAQEQQAQEVRLRYKAKIEDLEATLAQKQDQSHWVEDKQLFIKRNQELLEKI  
EKQEAENHRLQQELQDARDQNELLEFRNLELEERERRSPPFNLQIHPFSDGVSALQIYCMKEGVKDVNIP  
DLIKQLDILGDNGNLRNEEQVAIIQASTVLSLAEKWIQQIEGAEAAHQKMMELSDMEQFCKIKGYLEE  
ELDYRQALDQAYMRIQELEATLYNALQQETVIKFGELLSEKQQEELRTAVEKLRRQMLRKSREYDCQIL  
QERMELLQQAHRIRDLEDKTDIQRQIKDLEEKSNRKHG

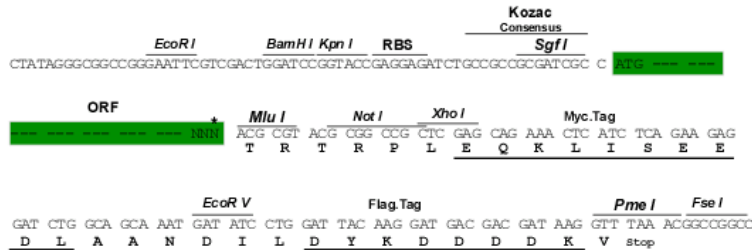
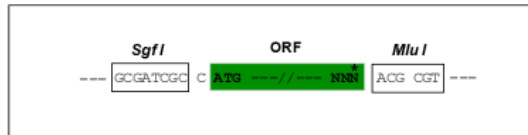
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6690\\_h02.zip](https://cdn.origene.com/chromatograms/mk6690_h02.zip)

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_014790

**ORF Size:** 2430 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\\_014790.5](#)

**RefSeq Size:** 9201 bp

**RefSeq ORF:** 2433 bp

**Locus ID:** 9832

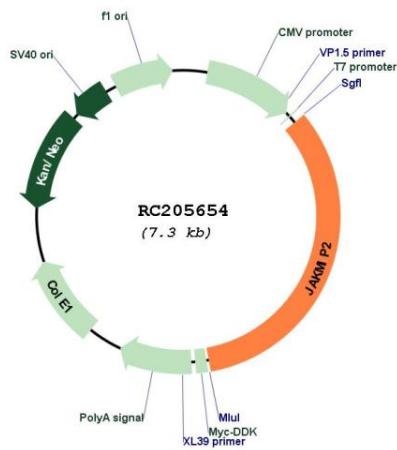
**UniProt ID:** [Q96AA8](#)

**Cytogenetics:** 5q32

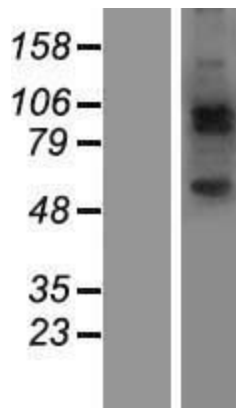
**MW:** 94.9 kDa

**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]

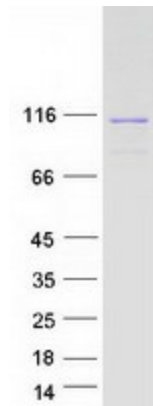
**Product images:**



Circular map for RC205654



Western blot validation of overexpression lysate (Cat# [LY415003]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205654 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified JAKMIP2 protein (Cat# [TP305654]). The protein was produced from HEK293T cells transfected with JAKMIP2 cDNA clone (Cat# RC205654) using MegaTran 2.0 (Cat# [TT210002]).