

Product datasheet for **RR203041**

Jakmip2 (NM_001107391) Rat Tagged ORF Clone

Product data:

| | |
|--------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Jakmip2 (NM_001107391) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Jakmip2 |
| Synonyms: | RGD1559742 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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ORF Nucleotide Sequence:

>RR203041 representing NM_001107391
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCAAAAAGGACGAAATAAGGGCGAGAAGCCCGAGGCACTATTGTGCCCTTCAAGTCCCAATG
 AAGACCTCAGGACCAAACCTCACAGACATTCAGATAGAACTTCATCAAGAGAAATCCAAGGTATCAAAGCT
 TGAAAGAGAGAAGACTCAAGAAGCAAAGAGGATTCGTGAGCTGGAGCAGCGCAAACACACAGTCCTGGTG
 ACAGAGCTTAAAGCCAAGCTCCATGAGGAGAAGATGAAGGAGCTGCAGGCTGTGAGGGAGAATCTCATCA
 AGCAACATGAGCAGGAAATGTCAAGGACAGTGAAGGTGCGGGATGGAGAGATTCAGAGACTCAAGTCCGC
 TCTGTGTGCTCTCCGGATGGCAGCAGTGACAAAGTAAGGACAGCACTACCATTGAGGCCCGGGAGGAG
 GCCAGGAAACAGTTTCGATGCAGAGCGCTGAAGCTCCTGCAGGAAATTACAGACTTAAAAACCGCCAAGA
 AGCAGGTGGATGAGGCTCTGAGCAATATGATCCAAGCGGATAAAATCAAGGCTGGGGACCTTAGGAGTGA
 GCATCAGTCCCACGGAAGCCATCTCGAAGATCAAGTGGGAATCGGAACGGGATATACGAAGGCTGATG
 GATGAAATCAAAGCCAAGGACAGGATCATCTTCTCCCTGGAAAAAGAACTGGAGACTCAGACAGGCTATG
 TACAGAAACTCCAGCTACAGAAAGAGGCTTTGGATGAGCAGCTTCTCTTGTCAAGGAGGACAGGTGTA
 CATGAGCAGTCCGAAGAGAGAGATTCCAGGAAGGGCAGGGGATGGCTCTGAACACTGCAGCAGCCCGGAT
 TTGCGAAGAAATCAAAGAGAATAGCCGAATTGAATGCCACTATACGAAAGTTAGAAGACAGGAACACCT
 TGCTCGGAGATGAACGAAACGAGTTGTTAAAACGTGTGCGGGAAACTGAAAAACAATGCAAACTCTCCT
 GGAAGGAACAAGTGCCTAGCCAAGAGAAACGATGAAGTATGGTATCTCTACAACGCATGGAAGAGAAA
 TAAAAAGCCATAACCAAGGAAAAATTCAGAGATGAGAGAGAAAAAATACGTCTCACCCACCTTAGAAGAAC
 TGAAGTCTCTGAATGACCTTGATCAAGTAAATGAAGAACAAGAGACGGAGTTTCTAAAAGTGCAGGTCAT
 TGAGCAGCAGAACATCATTGATGAGCTCACAGGGATCGAGAAAAACTCATCCGTAGGAGAAAGCACAGG
 AGAAGCTCGAAACCAATCAAGAGGCCTGTTTTAGATCCGTTTATTGGCTATGATGAGGATTCGATGGATT
 CAGAAACATCATCCATGACCTCCTTTAGAACAGACCGGACACCTGCTACCCCGGATGATGACTTGGATGA
 AAGTCTAGCTGCTGAAGAATCTGAGCTACGATTTTCGACAATTAACAAAAGAATACCAAGCCCTCAAAGA
 GCATATGCCCTCTTGCAAGAACAGACTGGAGGCATCATAGATGCTGAAAGAGAAGCCAAGGCACAAGAGC
 AGCTCCAGGCAGAGGTGCTGAGGTACAGGGCCAAAATCGAAGATTTGGAAGCAACGCTGGCTCAGAAAGG
 GCAGGATTCACACTGGTGAAGATAAAACAACCTTTTCATTAAGAGAAACCAGGAGCTTTTAGAAAAGATA
 GAGAAGCAGGAAGCAGAGAATCACCGGCTACAGCAAGAACTTCAGGATGCCAGAGACCAGAATGAGCTGC
 TGGAGTTTCGCAACCTAGAACTAGAAGAGAGAGAGGGGATCCCTCCATTCAATCTACAAATTCACCC
 TTCTCAGATGGTGTGAGTGCAGTACTGATGAAAGAAGGTGCAAGGATGTCAACATCCCT
 GATCTCATAAAGCAGCTTGATATCCTTGGTGACAACGGGAATCTAAGGAATGAAGAACAGGTGGCCATA
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 GAACTAGACTACAGAAAACAGGCTCTTGACCAGGCATATATGAGAATCCAGGAAC TAGAAGCTACTTTGT
 ACAATGCTCTGCAGCAAGAACTGTGATCAAGTTCGGTGAAGTGTAAAGTGACAAGCAGCAAGAGGAGTT
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 AAAAACGCGCAGATAAAGGACCTAGAAGAAAAGACCATCCAGCTGTGCGGTGCCATATTTTCTCACTTTC
 CCTTGACTTGATGATAAAAAGCACAGGAAGTGCAGGAAGAAGCCAGAAGAAGCTTCAGAATGAAAGCAAAC
 TCCTGTCCACACCACAGTGCAGCAGGAGAATGGCTGCCAGTCACACCAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR203041 representing NM_001107391
Red=Cloning site Green=Tags(s)

MSKKGRNKGEKPEALIVALQAANEDLRTKLTDIQIELHQEKSKVSKLEREKTQEAKRIRELEQRKHTVLV
TELKAKLHEEKMKELQAVRENLIKQHEQEMSRTVKVRDGEIQLKALCALRDGSSDKVRTALTIEAREE
ARKQFDAERLKLLEITDLKTAKKQVDEALSNMIQADKIKAGDLRSEHQSHQEAISKIKWESERDIRRLM
DEIKAKDRIIFSLEKELETQTGYVQKLQLQKEALDEQLFLVKEAECNMSSPKREIPGRAGDGEHCSSPD
LRRNQKRI AELNATIRKLEDRNTLLGDERNELLRVRETEKQCKPLLERNKCLAKRNDLMVSLQRMEEK
LKAITKENSEMREKITSHPPLKLLSLNDLDQANEEQETEFLLKLVIEQQNIIDELTRDREKLIRRRKHR
RSSKPIKRPVLDPFIFYDEDSMDSETSSMFSFRDTPATPDDDLDESAAEESELRFRLTKEYQALQR
AYALLQEQTGGIIDAEREAKAQEQQAQEVLRRAKIEDLEATLAQKQDQSHWVEDKQLFIKRNQELLEKI
EKQEAENHRLQQELQDARDQNELLEFRNLELEERERRSPPFNLIHPFSDGVSALQIYCMKEGVKDVNIP
DLIKQLDILGDNGNLRNEEQVAIIQASTVLSLAEKWIQQIEGAEAAHQKMMELSDMEQFCKIKGYLEE
ELDYRQALDQAYMRIQELEATLYNALQQETVIKFGELLSDKQQEELRTAVEKLRRQMLRKSREYDCQIL
QERMELLQQAHRIRDLEDKTDIQRQIKDLEEKTIQLSGAIFFSLDLMIKSTGSAGRSQKNFRMKAN
SCPHHQCSRMAASHTN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

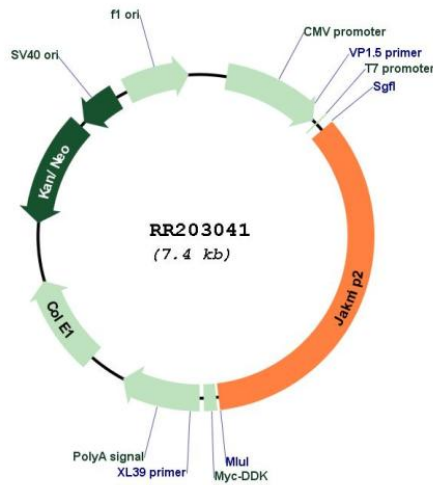
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



| | |
|-------------------------------|---|
| ACCN: | NM_001107391 |
| ORF Size: | 2571 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: | <ol style="list-style-type: none">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_001107391.1 , NP_001100861.1 |
| RefSeq Size: | 3497 bp |
| RefSeq ORF: | 2574 bp |
| Locus ID: | 307479 |
| Cytogenetics: | 18q11 |
| MW: | 100.1 kDa |