

Product datasheet for **RR206185**

Jup (NM_031047) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jup (NM_031047) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Jup
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RR206185 representing NM_031047
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGTGATGAACCTTATTGAACAGCCCATCAAGGTGACGGAGTGGCAGCAGACGTACACCTATGACT
 CGGGCATCCACTCCGGTGTCAATACCTGTGTGCCCTCTGTCAGCAGCAAGGGCCTCTCGATGAGGATGA
 CACCTGCGGCAGACAGTACACACTCAAGAAAACCTACCACCTACACACAAGGGGTGCCACAGAGCCAAAGGC
 GACCTGGAGTACCAGATGTCCACCACGGCCAGAGCCAAGCGGGTGCAGGAGGCCATGTGCCAGGTGTCT
 CAGGCGAGGACAGTTCTCTCTCTGCCCACCCAGGTGGAGGGGCAGACGACCAACCTGCAGCGACTGGC
 CGAACCATCCCAGCTACTCAAGTCGGCCATTGTACATCTCATCACTACCAGGACGACGCAGAGCTGGCC
 ACCCGGGCTCTGCCTGAGCTACCAAGCTGCTCAACGATGAGGACCCGGTAGTGGTACCAAGCGGCTA
 TGATCGTGAACCAGCTGTCCAAGAAGGAGGCATCCCGCCGTGCCCTGATGGGCTCGCCCCAGCTGGTGGC
 GGCTGTGGTGGGACCATGCAGAACACCAGTGACCTGGATACTGCCCGCTGTACCACCAGCATCCTGCAC
 AACCTCTCCCACCACCGAGAGGGGCTGCTTGTATCTTCAAGTCTGGAGGCATCCCCGCCCTGGTCCGAA
 TGCTCAGTTCGCCGTAGAGTCTGTCTGTTCTACGCCATCACCACACTGCACAACCTGTGCTCTACCA
 GGAGGGCGCCAAGATGGCGGTGCGTCTGGCAGACGGACTGCAGAAGATGGTGCCCTACTTAAACAAGAAC
 AACCCCAAATTCCTGGCCATCACCACCGACTGCCTGCAGCTCCTGGCCTATGGCAACCAGGAGAGCAAGC
 TGATCATCCTGGCCAATGGGGGACCCAGGGTCTTGTGCAGATCATGAGGAACTACAGCTACGAGAAGCT
 TCTGTGGACCACCAGCCGGTGTCAAGGTGCTCTCCGTGTGCCCAGCAACAAGCTGCCATCGTGGAG
 GCTGGTGGGATGCAGGCTCTAGGCAAGCACTTGACAAGCAACAGCCCCGCCCTGGTGCAGAACTGCCTGT
 GGACTCTGCGCAATCTCTCGGATGTGGCCACCAAGCAGGAGGGCCTGGAGAAGCTGCTGAAGATCCTGGT
 CAATCAGCTGAGCGTGGATGATGTCAACGTCTCACCTGTGCCACGGGCACCCCTCTCCAACCTGACCTGC
 AACAAACAGCAAAAACAAGACGCTGGTGACGCAGAACAGTGGCGTGGAGGGCTCATCCACGCCATCTCTCA
 GAGCCGGAGACAAGGACGACATCACAGAGCCCGCGTTTGGCCCTGCGCCACCTTACCAGCCGCCACCC
 TGAGGCTGAGATGGCCCAGAACTCTGTGCGCCTCAACTATGGAATCCCGGCCATTGTGAAACTGCTCAAC
 CAGCCGAACCAGTGGCCACTGGTCAAGGCAACTATCGGCCTGATCCGGAACCTGGCTCTGTGCCCGCCA
 ATCATGCCCGCTGCAGGAGCCCGGTCATCCCGCCTCGTTCAGCTGCTGGTCAAGGCCACCAGGA
 TGCCACGCGACATGTAGCTGCGGGCACCAGCAGCCCTACACGGATGGTGTGAGGATGGAGGAGATCGTG
 GAGGGCTGCACCGGAGCCCTGCACATCCTCGCCGAGATCCCATGAACCGCATGGAGATCTCCGGCTCA
 ACACCATTCCCCTGTTTGTCCAGCTCCTGTATTCTCTGTGGAGAACATCCAGCGTGTGGCTGCCGGAGT
 GCTGTGCGAGCTGGCCCAGGACAAGGAGGCTGCCGATGCCATAGACGCGGAGGGCGCCTCTGCCCTCTC
 ATGGAAGTGTCCACTCCCGCAATGAGGGGACCGGACCTACGCTGCTGTGCTGTTCCGCATCTCCG
 AGGACAAGAACCAGATTACCGTAAGCGAGTGTCTGTGGAACCTACCAACTCGCTCTTCAAGCATGACCC
 AGCTGCCTGGGAGGCTGCCAGAGCATGATCCCGATCAACGAACCTATGCAGACGACATGGATGCAACC
 TACCGCCCATGTACTCCAGCGATGTGCCTCTGGACCCCTGGATATGCACATGGACATGGATGGCGACT
 ACCCATGGACACCTACAGCGACGGCCTGAGACCTCCCTACCCCGCTGCAGACCACATGCTGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR206185 representing NM_031047
 Red=Cloning site Green=Tags(s)

MEVMNLIEQPIKVTWQQTYTYDSGIHSGVNTCVPSVSSKGLLEDDEDTCGRQYTLKKTTTYTQGVPPQSQG
 DLEYQMSTTARAKRVREAMCPGVSGEDSSLLLATQVEGQTTNLQRLAEPSSLKSAIVHLINYQDDAELA
 TRALPELTKLLNDEDPVVVTKAAMIVNQLSKKEASRRALMGSPQLVAAVVRTMQNTSDLTARCTTSILH
 NLSHHREGLLAIFKSGGIPALVRMLSSPVESVLFYAITTLHNLLLYQEGAKMAVRLADGLQKMPVLLNKN
 NPKFLAITTDCLQLLAYGNQESKLIILANGGPQGLVQIMRNYSYEKLLWTTSRVLKVLVSVCPNKAIVE
 AGGMQALGKHLTSNSPRLVQNCLWTLRNLSDVATKQEGLENVLKILVNQLSVDDVNVLTCAATGTLNLT
 NNSKNKTLVTQNSGVEALIHAILRAGDKDDITEPAVCALRHLTSRHEAEMAQNSVRLNYGIPAIVKLLN
 QPNQWPLVKATIGLIRNLALCPANHAPLQEAIVPRVQLLVKAHQDAQRHVAAGTQQPYTDGVRMEEIV
 EGCTGALHILARDPMMRMEIFRLNTIPLFVQLLYSSVENIQRVAAGVLCELAQDKEAADAIDAEGASAPL
 MELLHSRNEGATYAAAVLFRISEDKNPDYRKRVSVELTNSLFKHDPAAWEAAQSMIPINEPYADDDMAT
 YRPMYSSDVLPLDPLDMHMDMDGDYPMDTYSDGLRPPYPAADHMLA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_031047

ORF Size: 2235 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_031047.2](#), [NP_112309.2](#)

RefSeq Size: 3463 bp

RefSeq ORF: 2238 bp

Locus ID: 81679

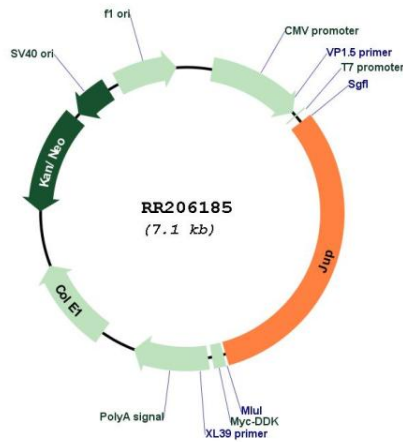
UniProt ID: [Q6P0K8](#)

Cytogenetics: 10q31

MW: 81.8 kDa

Gene Summary: a tumor suppressor present at cell adhesion sites in confluent cell [RGD, Feb 2006]

Product images:



Circular map for RR206185