

Product datasheet for **RN205149**

Jakmip1 (NM_001033894) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jakmip1 (NM_001033894) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Jakmip1
Synonyms:	Marlin-1; Marlin1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN205149 representing NM_001033894
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTAAAAAGGGCCGAGCAAGGGTGAGAAGCCCGAGACAGAGACAGACTCTGTACAGATGGCCAATG
 AAGAGCTACGGGCCAAGCTGACGAACATCCAGATCGAGTTCCAGCAGGAGAAGAGCAAGGTGGGAAGCT
 GCGGGAGCGTCTGCAGGAGGCCAAGCTGGAACGGGAGCAGGAGCAGCGTGCCACACGGCCTACATCTCA
 GAACTCAAGGCCAAGCTGCACGAAGAGAAGACGAAGGAAGTGCAGGCGCTGCGCAGGCGCTCATCCGGC
 AGCAGCAGCAGGAGGCGAGCGGACCGCCAAGATCAAGGAAGGCGAGCTGCAGCGACTGCAGGCCACGCT
 GAATGTGCTGCGCGATGGCGCCGCGGACAAAGTCAAGACTGCATTGCTGGCCGACGCGCGGAGGAGCG
 CGCAGGACCTTTGATGGCGAGCGCCAGAGGCTGCAGCAGGAGATTCTGGAAGTGAAGGCTGCGCGCAAAAC
 AGGCAGAAAGGGCACTCAGCAACTGCATGCAGGAGCAGCAAGGCCAAAGCCGCGGACCTGCGCGCTCGTA
 CCAGGCGCACCAGGATGAGGTGACCGCATCAAGCGGGAGTGTGAACGTGACATCCGAGACTGATGGAC
 GAGATCAAAGGAAAGGAACGCGTGATCCTGGCCCTGGAGAAGGAGCTTGGTGTGACAGGCCGGCAGACCC
 AGCGGCTGCTATTACAGAAGGAGGCTCTGGATGAGCAGCTGGTCCAGGTCAAGGAGGCCGAACGCCACCA
 CAGCAGCCCAAAGAGGGAGCTTCTCCAGGCATTGGTGACATGGCTGAGCTTATGGGTGGCCAGGATCAG
 CATATGGACGAGCGAGATGTGAGGCGATTTAGCTGAAGATTGCCGAAGTGAATTCAGTGATTCGGAAGC
 TGGAGGACAGGAACACCTGTGGCTGATGAGAGGAACGAAGTGTGAAGCGCTCTCGGGAGACGGAGGT
 GCAGCTGAAGCCGCTGGTGGAGAAGAACAAACGCATGAATAAAAGAACGAGGATCTGCTGCACAGCATC
 CAAAGGATGGAGGAGAACTCAAGAGCCTCAGGAGGAAAACGTGGAGATGAAAGAAAAGCTGTCTGCCC
 AGGCCTCACTAAAGCGACACATCCCTGAATGACCTCAGTCTGACCAGGAGCAGCAGGAGATAGAGTT
 CCTGAGGCTGCAGGTGCTGGAACAGCAGCATGTCATTGATGACCTCTCTGGAAGAGAACGCCTGCTG
 CGCTCCAAGAGGCATCGAGGGAAGAGCCTGAAACCCCCAAGAAGCATGTTGTGGAGACATTTTTTGGAT
 TTGATGAGGAGTCTGTGGACTCTGAAACATTGTCAGAGACGTCCTACAACACAGACAGGACAGACCGGAC
 CCCAGCCACGCTGAAGAGGACTTAGATGAGACCACAACCAGAGAAGAGGCTGACCTGAGGTTCTGCCAG
 CTGACCAGGGAGTACCAGGCTCTGCAGAGGGCTTATGCCCTGCTTCAGGAGCAGGTTGGGGGACGCTGG
 ATGCTGAGAGGGAGGCTCGGACTCGGAGCAACTTCAGGCTGACCTGCTGAGATGCCAGGCCAAAATTGA
 GGACTTAGAGAAGCTGCTGGTTGAGAAGGACAGGATGCTGCGTGGGTAGAGGAGAAGCAGGTAATCATG
 AGGACAAACCAGGACCTGCTGGAGAAGATTTACAGGCTGGAGATGGAGGAGAACCAGCTAAAGAGTGAAA
 TGCAAGACGCCAAGGACCAGAACGAGCTGTAGAAATTCAGAGTGCTAGAACTCGAAGTAAGAGACTCTAT
 CTGTTGTAAGCTCTCAAATGGAGCAGACATTCTTTGAGCCCAAAGTGAATTCGT**GTA**A

AC**CGGCGCCG**TCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
 TTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-NotI

ACCN: NM_001033894

Insert Size: 1881 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>NM_001033894.1, NP_001029066.1</u>
RefSeq Size:	2410 bp
RefSeq ORF:	1881 bp
Locus ID:	305434
UniProt ID:	<u>Q3SWS9</u>
Cytogenetics:	14q21
Gene Summary:	Associates with microtubules and may play a role in the microtubule-dependent transport of the GABA-B receptor. May play a role in JAK1 signaling and regulate microtubule cytoskeleton rearrangements.[UniProtKB/Swiss-Prot Function]