

Product datasheet for **SC111902**

JAKMIP1 (NM_144720) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	JAKMIP1
Synonyms:	Gababrbp; JAMIP1; MARLIN1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF:

>OriGene ORF within SC111902 sequence for NM_144720 edited (data generated by NextGen Sequencing)

ATGTCGAAGAAAGCCGCGAGCAAGGGCGAGAAGCCCGAGATGGAGACGGACGCGGTGCAG
 ATGGCCCAACGAGGAGCTCGGGCCCAAGCTGACCAGCATTTCAGATCGAGTTCCAGCAGGAA
 AAAAGCAAGGTGGGCAAACTGCGCGAGCGGCTGCAGGAGGCGAAGCTGGAGCGCGAGCAG
 GAGCAGCGACGGCACACGGCTACATTTTCGGAGCTCAAGGCCAAGCTGCATGAGGAGAAG
 ACCAAGGAGCTGCAGGCGCTGCGCGAGGGGCTCATCCGGCAGCACGAGCAGGAGGCGCGC
 CGCACCGCCAAGATCAAGGAGGGCGAGCTGCAGCGGCTGCAGGCCACGCTGAACGTGCTG
 CGCGACGGCGCGGCCGACAAGGTCAAGACGGCGCTGCTGACCGAGGCGCGCAGGAGGCG
 CGCAGGGCCTTCGATGGAGAGCGCTGCGGCTGCAGCAGGAGATCCTGGAGCTCAAGGCA
 GCGCGCAAGCAGGCAGAGGAGGCGCTCAGTAAGTGCATGCAGGCTGACAAGACCAAGGCA
 GCCGACCTGCGTGCCGCTACCAGGCGCACCAAGACGAGGTGCACCGCATCAAGCGCGAG
 TGCGAGCGCGACATCCGCGAGGCTGATGGATGAGATCAAAGGAAAGACCGTGTGATTCTG
 GCCTTGAGAAAGGAACTGGCGTGCAGGCTGGGCGAGCCAGAAAGTCTTCTGCAGAAA
 GAGGCTTTGGATGAGCAGCTGGTTCAGGTCAAGGAGGCCGAGCGCACACAGTAGTCCA
 AAGAGAGAGCTCCCGCCGGGATCGGGGACATGGTGGAGCTCATGGGCGTCCAGGATCAA
 CATATGGACGAGCGAGATGTGAGGCGATTCAACTAAAAATTGCTGAATGAATTCAGTG
 ATACGGAAGCTGGAAGACAGAAATACGCTGTTGGCAGATGAGAGGAATGAATGCTGAAA
 CGCTCACGAGAGACCGAGGTTTCAGTGAAGCCCTGGTGGAGAAGAACAGCGGATGAAC
 AAGAAGAATGAGGATCTGTTGCAGAGTATCCAGAGGATGGAGGAGAAAAATCAAGAACCTC
 ACGCGGAAAAACGTGGAATGAAAGAAAAGCTGTCAGCGCAGGCGCTCTGAAAGCGGCAT
 ACCTCCTTGAATGACCTCAGCCTGACGAGGGATGAGCAGGAGATCGAGTTCCTGAGGCTG
 CAGGTGCTGGAGCAGCAGCACGTATTGACGACCTCTCACTGGAGAGAGAACGGCTGTTG
 CGCTCCAAAAGGCATCGAGGGAAAAGTCTGAAACCGCCCAAGAAAGCATGTTGTGGAGACA
 TTTTTTGATTGATGAGGAGTCTGTGGACTCAGAAACGTTGTCCGAAACATCTACAAAC
 ACAGACAGGACAGACAGACCCAGCCAGCCCGAAGAAAGACTTGGACGATGCCACAGCC
 CGAGAGGAGGCTGACCTGCGCTTCTGCCAGCTGACCCGGGAGTACCAGGCCCTGCAACGC
 GCCTACGCCCTGCTCCAGGAGCAGGTGGGAGGCACGCTGGACGCTGAGAGGGAGGCCCGG
 ACTCGGAGCAGCTACAAGCTGATCTGCTGAGGTGTCAGGCCAAAATCGAAGATTTGGAG
 AAGTTACTGGTTGAGAAGGGACAGGATTCCAAGTGGGTTGAAGAGAAGCAGCTGCTCATC
 AGAACAACCAAGACTTCTGGAAGGATTACAGACTGGAATGGAAGAGAACCAGCTG
 AAGAATGAAATGCAAGACGCCAAGGATCAGAACGAGCTGTTAGAATTCAGAGTGCTAGAA
 CTCGAAGTAAGAGACTTATCTGTTGTAAGTCTCAAACGGAGCAGACATTCTCTTTGAA
 CCCAACTGAAATTCATGTAA

Clone variation with respect to NM_144720.3

**5' Read Nucleotide
Sequence:**

>OriGene 5' read for NM_144720 unedited

GGGTGTTCAAATTTTGTNATACGACTCATATAGGCGGCCGCGNATTCGGCACGAGGGAGC
 CGCGCGCGGACTGCCATCCTCCTATTGCTTTTTACGATTTTTTTGTGCATGCATTCA
 TTTTCTGTTCCGTTTTGTCCTTTTTAAGGCGGTGGCGCGCGGACAGCGCGTAAGCTCG
 CAGCGGGGAGGGGGCGCGCGAGGATGCGCGCGGGGCTGCGCTCGCTACGTCCGCTGCT
 GCTGCCCGGCTCGGGCTGAGCGCGGAGCAGGATCCCAAGTATGGTGGTTTCTCGGAG
 GGCGAGCTGAGTCTGCGGACTGGTTAGCACGGTGGAGCTGGTAGCCACGCTGCTGGC
 TGGCGTGCGTGAACAGGTGTGGACCGCAGGATCTCAGCACTTGACCCAAGGGGAAGCAT
 GTCGAAGAAAGGCCGAGCAAGGGCGAGAAGCCGAGATGGAGACGGACGCGGTGCAGAT
 GGCCAACGAGGAGCTGCGGGCCAAGCTGACCAGATTAGATCGAGTTCAGCAGGAAAA
 AAGCAAGGTGGGCAAACTGCGCGAGCGGCTGCAGGAGGCGAAGCTGGAGCGGAGCAGGA
 GCAGCGACGGCACACGGCTACATTTTCGGAGCTCAAGGCCAAGCTGCATGAGGAGAAGAC
 CAANGAGCTGCAGGCGCTGCGCGAGGGGCTCATTCCGACGACGAGCAGGAGGCGGCGCG
 CACCGCCAAGATCANNAGAGGCGAGCTGCANNCCTGCANGCCACGCTGAACGTGCTGCG
 CGACNCGCGCGCCGACAGGTCAAGACNCGCTGCTGACCCGAGCGCGCGGAGGAGCGCGC
 AGGCCCTTCNATGGAGACGCTGCTGCTGACGANGAGATCCTGNAGCTCAAGCANGCGC
 CAAGCAGCANNAGAGCGCTCCATACTGN

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_144720 unedited <pre> NGGTACGACTATGNAACCGCGCCGCATNCTANGATCGAGTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGCCAAAACCAATTTTTTTTTTAA ATGCCAAACAAGCCCTAGGCCAAAAAATTTAACCTGGGACCTGCCCTAAACTTGGG GGAACACCCCTCCAAAACACATTAAGGGGGGAAATTTTTTGAACCTTCCGATTTTAA AAAAAAAAAAGAAAGAAAGAAAGAACTTTACCTGTCCCTTTACCATGCTTGAAA ACCTCTGAAAACCTTACCTGAATTTCAATTTGGGGTCAAAAAAAGTCTGCCCCCTTG AAAATTACAACAAAAAAGTCTTACTTTGAGTTTTAACCTCTGAATTTTAAACAGCC CGTTTTGATCCCTGGGGTCTTGGATTTTATTCTTCAACCGGGTCTCTTCCCTTTCCCGG TGGAAGAACTTTCCACAAAGTCTTGGTTTGTCTGTAGAACAACTGCTTTTTTTAACCC ACTTGGAACCTGGCCCTTTTCAACCAGTAACCTTTCCAAACTTTGATTTTGGGCCGGC ACCCCAACAAAAACAATTGGAAGTGTCCGAATCCCGGCCTCCCTCTTAACGTCCAAGG TGGCCTCCACCTGCTCTGGAACAAGGCGTAAGCCCTTTCAAGGCCCGGTACTCCCGG TCAACTGGGAAAAACCAAGGCAACCCCTCTCGGGCTGTGGGATCGTCCAAATTTTCTT TCGGGGGGGCTGGGGGCCGTCTGTCCGTCCTGGTTGTAGGAGGTTTCGACAACGTTT TTGATTCCCAAACTCCTCTTCAACCAAAAATGGCTTCCACATGCTTTTGGGCGGGTTAA AACTTTCCCA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_144720
Insert Size:	2750 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_144720.2 , NP_653321.1
RefSeq Size:	2551 bp
RefSeq ORF:	1881 bp
Locus ID:	152789

UniProt ID: [Q96N16](#)

Cytogenetics: 4p16.1

Protein Families: Druggable Genome

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]

Transcript Variant: This variant (2) lacks several 3' coding exons compared to variant 1, and its 3' terminal exon extends past a splice site that is used in variant 1. This results in a novel 3' coding region and distinct 3' UTR compared to variant 1. It encodes isoform 2, which is shorter than and has a novel C-terminus compared to isoform 1. Variants 2 and 3 encode the same isoform (2).