

Product datasheet for **MC227771**

Cabyr (NM_001042418) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cabyr (NM_001042418) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cabyr
Synonyms:	1700016C01Rik; 4933421A18Rik; CBP86; FSP-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC227771 representing NM_001042418
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATTTCTTCAAAGCCAGACTTGTGTACCCTATGGCCTCAAGACTCTGCTTGAGGGAGTTAGCAGAG
 CCATTCTCAAACCAATCCAACAACATCACCCAGTTTGCAGCCGTTATTTTAAAGAACTATTGTGTT
 TAGAGAAGGGAATTCGTCTCTAGATATAAAGATCTGATTAACAGTTTCACCAGATGAAAGTAGAGAAA
 TGGGCAGAAGGAGTGACAGTGGAGAAGAAAGATGTATCAAGGAACCCATAAAACCACCTCCAGTCCCT
 GCAAACCCACACATATGGAAAAATCCACAGACACAGAGGAGGACAATGTAGCTGGACCACTATTTAGCAA
 CAAAACCACTCAGTTCCATCAGTTCATGCTGAAGTACAGTCTGAGGAGACAAGTGAAGGAGCTCGGGT
 CCCTCTGACAAACCGACTACTCCTAAGACCGACTACACCCACCCTCGTACCACCTCCAGCGCCTGTCT
 CTGCCGAGTACGTTATGTCCAGCTGACCCAGCTCAGTTGCCGCTCAGATGTTAGGTAATGTGCCATC
 TACTTATTCTGAAGTTTTAATGGTGGACGTGGCAACAAGTACGCCGCTGTTCCCAGGACGTACTGAGT
 GCAGAGTTTGCTGAAGAAGTCGTGCTGTCTGCCCTCTGGTGTGCTCTGGAGAGACGGTAGAAGTGCAGG
 TTGTGAGCAAAACATCTGCGCAGGTAGTTGTGGGTCTGTGTCTGAGGCTGAACCACAAAGGCTTCCTC
 AGCCCCCTTGAGGGTGAACAAGAACCTCTGCTCATGAAGCTCCTGATACCCAGGTTACATCAGCCAGT
 CGTATATCATCCATATATAACGATGTGCCTGTCAATGAAGGAGTTGTCTATGTTGAGGAGATACCAGGAT
 ACATAGTTATCCCTTTTACTGATCATGATCAAGTTGCTTGTGTTAAAGAAATTGAGCAGTACCACCAGG
 TAGTCCCAAAGCTGTAGAACCAAGACTAAAATATCTATAGAGTCTCTGAAAAGTCCAGGTGGAGGAG
 AATTCCCAACACAAGTCCCTCAGTACACGTGGAGGCAGAAGCTACAGTCTGCTCTCTAACACTGCTTTAG
 ATGGTCAGCCCGAGGTACCTGCAGAACCCCTGGATGCAGAGGGCTTTTTCAAAGTGCCTCTGAAAATTC
 TCTGCACCTTGAACGGAGATCGTTATCATAAACCCCTGATGATCCTGGCCAGGAGGAGTCAAGGGGGAAC
 GCTGCACCCATTCTGCTGACCCCTCCCTCTGCGCCAGGAGGCCCTTACTGAACCAGAAATGCAAC
 CAGATGGGGAAGCTGCTCCTGAACAGGTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001042418
- Insert Size:** 1362 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001042418.1](#), [NP_001035883.1](#)

RefSeq Size: 1642 bp

RefSeq ORF: 1362 bp

Locus ID: 71132

UniProt ID: [Q9D424](#)

Cytogenetics: 18 A1

Gene Summary: May function as a regulator of both motility- and head-associated functions such as capacitation and the acrosome reaction. May bind calcium in vitro (By similarity).
[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (3) uses an alternate splice site in the 3' UTR, compared to variant 1. It encodes the same protein as variant 1 (isoform a).