

Product datasheet for **MC216007**

Cabyr (NM_027687) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cabyr (NM_027687) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cabyr
Synonyms:	1700016C01Rik; 4933421A18Rik; CBP86; FSP-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216007 representing NM_027687
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATTTCTTCAAAGCCAGACTTGTGTACCCTATGGCCTCAAGACTCTGCTTGAGGGAGTTAGCAGAG
 CCATTCTCAAACCAATCCAACAACATCACCCAGTTTGCAGCCGTTATTTTAAAGAACTATTGTGTT
 TAGAGAAGGGAATTCGTCTCTAGATATAAAGATCTGATTAACAGTTTCACCAGATGAAAGTAGAGAAA
 TGGGCAGAAGGAGTGACAGTGGAGAAGAAAGATGTATCAAGGAACCCATAAAACCACCTCCAGTCCCT
 GCAAACCCACACATATGGAAAAATCCACAGACACAGAGGAGGACAATGTAGCTGGACCACTATTTAGCAA
 CAAAACCACTCAGTTCCATCAGTTCATGCTGAAGTACAGTCTGAGGAGACAAGTGAAGGAGCTCGGGT
 CCCTCTGACAAACCGACTACTCCTAAGACCGACTACACCCACCCTCGTACCACCTCCAGCGCCTGTCT
 CTGCCGAGTACGTTATGTCCAGCTGACCCAGCTCAGTTGCCGCTCAGATGTTAGGTAATGTGCCATC
 TACTTATTCTGAAGTTTTAATGGTGGACGTGGCAACAAGTACGCCGCTGTTCCCAGGACGTACTGAGT
 GCAGAGTTTGCTGAAGAAGTCGTCTGTCTGCCCTCTGGTGTGCTCTGGAGAGACGGTAGAAGTGCAGG
 TTGTGAGCAAAACATCTGCGCAGGTAGTTGTGGGTCTGTGTCTGAGGCTGAACCACAAAGGCTTCCTC
 AGCCCCCTTGAGGGTGAACAAGAACCTCTGCTCATGAAGCTCCTGATACCCAGGTTACATCAGCCAGT
 CGTATATCATCCATATATAACGATGTGCCTGTCAATGAAGGAGTTGTCTATGTTGAGGAGATACCAGGAT
 ACATAGTTATCCCTTTTACTGATCATGATCAAGTTGCTTGTGTTAAAGAAATTGAGCAGTACCACCAGG
 TAGTCCCAAAGCTGTAGAACCAAGACTAAAATATCTATAGAGTCTCTGAAAAGTGTCCAGTGGAGGAG
 AATTCCCAACACAAGTCCCTCAGTACACGTGGAGGCAGAAGCTACAGTCTGCTCTCTAACACTGCTTTAG
 ATGGTCAGCCCCGAGGTACTGTCAGAACCCCTGGATGCAGAGGGCTTTTTCAAAGTGCCTCTGAAAATTC
 TCTGCACCTTGAACGGAGATCGTTATCATAAACCCTGATGATCCTGGCCAGGAGGAGTCAAGGGGGAAC
 GCTGCACCCCATCTGCTGACCCCTCCCTCTGCGCCAGGAGGCCCTTACTGAACCAGAAATGCAAC
 CAGATGGGGAAGCTGCTCCTGAACAGGTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_027687

Insert Size: 1362 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_027687.2](#), [NP_081963.1](#)

RefSeq Size: 2125 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 (1) represents the longest transcript and encodes the longest isoform (a).