

Product datasheet for **MR229983**

Cabyr (NM_001042420) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cabyr (NM_001042420) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>MR229983 representing NM_001042420
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATTTCTTCAAAGCCAGACTTGTGTACCCTATGGCCTCAAGACTCTGCTTGAGGGAGTTAGCAGAG
 CCATTCTCAAACAATCCAACAACATCACCCAGTTTGCAGCCGTTATTTTAAAGAACTATTGTGTT
 TAGAGAAGGGAATTCGTCTCTAGATATAAAGATCTGATTAACAGTTTCACCAGATGAAAGTAGAGAAA
 TGGGCAGAAGGAGTGACAGTGGAGAAGAAAGATGTATCAAGGAACCCATAAAACCACCTCCAGTCCCT
 GCAAACCACACATATGGAAAAATCCACAGACACAGAGGAGACAATGTAGCTGGACCACTATTTAGCAA
 CAAAACCACTCAGTTCCATCAGTTCATGCTGAAGTACAGTCTGAGGAGACAAGTGAAGGAGCTCGGGGT
 CCCTCTGACAAACCGACTACTCCTAAGACCGACTACACCCACCCTCGTACCACCTCCAGCGCCTGTCT
 CTGCCGAGTACGCTTATGTCAGCTGACCCAGCTCAGTTGCCGCTCAGATGTTAGGTAATGTGCCATC
 TACTTATTCTGAAGTTTTAATGGTGGACGTGGCAACAAGTACGCCGCTGTTCCCAAGGAGTACTGAGT
 GCAGAGTTTGTGAAGAAGTCGTCTGTCTGCCCTCTGGTGTGCTCTGGAGAGACGGTAGAAGTGCAGG
 TTGTGAGCAAAACATCTGCGCAGGTAGTTGTGGGTCTGTGTCTGAGGCTGAACCACAAAGGCTTCCTC
 AGCCCCCTTGAGGGTGAACAAGAACCTCTGCTCATGAAGCTCCTGATACCCAGGTTACATCAGCCAGT
 CGTATATCATCCATATAACGATGTGCCTGTCAATGAAGGAGTTGTCTATGTTGAGGAGATACCAGGAT
 ACATAGTTATCCCTTTTACTGATCATGATCAAGTTGCTTGTGTTAAAGAAATTGAGCAGTACCACCAGG
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 AATTCCCAACACAAGTCTCAGTACACGTGGAGGCAGAAGCTACAGTCTGCTCTCTAACACTGCTTTAG
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 GCTGCACCCATTCTGCTGACCCCTCCCTCCTGCGCCAGGAGGCCCTTACTGAACCAGAAATGCAAC
 CAGATGGGGAAGCTGCTCCTGAACAGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR229983 representing NM_001042420
 Red=Cloning site Green=Tags(s)

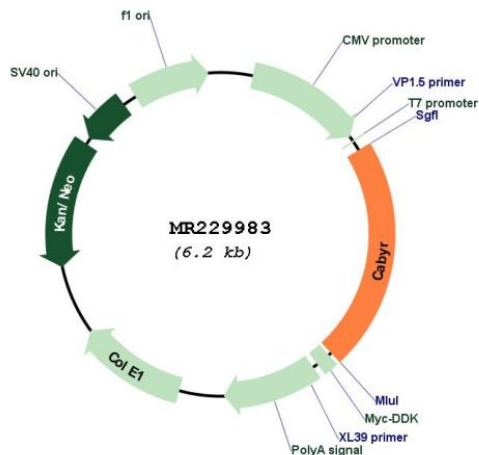
MISSKPRLLVVPYGLKTLLEGVSRILKTNPTNITQFAAVYFKELIVFREGNSSLDIKDLIKQFHQMKVEK
 WAEGVTVEKKECIKEPIKPPVPCKPTHMEKSTDTEEDNVAGPLFSNKTTQFPSVHAEVQSEETSEGARG
 PSDKPTTPKTDYTPSSPPPAPVSAEYAYVPADPAQFAAQLGNVPSTYSEVLMVDVATSTPAVPQDVL
 AEF AEEVVL SAPLVCSGETVEVQVVSKTSQVVVGPVSEAEPPKASSAPLQGEQEPPAHEAPDTQVTSAS
 RISSIYNDVPVNEG VVYVEEIPGYIVIPFTDHDQVACVKEIEQSPPGSPKAVEPKTKISIESLKTQVVEE
 NSQHKSSVHVEAEATVLLSNTALDGOPEVPAEPLDAEGFFKVASENSLHLETEIIVIINPDDPGQEESSGN
 AAPHSSGDPFPPAPGGLTEPEMQPDGEAAPEQV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001042420

ORF Size: 1359 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:	<ol style="list-style-type: none">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_001042420.1</u> , <u>NP_001035885.1</u>
RefSeq Size:	1522 bp
RefSeq ORF:	1362 bp
Locus ID:	71132
UniProt ID:	<u>Q9D424</u>
Cytogenetics:	18 A1
MW:	48.8 kDa
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]