

Product datasheet for **MR219286**

Cabyr (NM_001042419) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cabyr (NM_001042419) 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
ORF Nucleotide Sequence: >MR219286 representing NM_001042419
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGATTTCTTCAAAGCCCAGACTTGTGTACCCTATGGCCTCAAGACTCTGCTTGAGGGAGTTAGCAGAG
CCATTCTCAAACCAATCCAACAACATCACCCAGTTTGCAGCCGTTTATTTAAAGAACTATTGTGTT
TAGAGAAGGGAATTCGTCTCTAGATATAAAAGATCTGATTAACAGTTTCACCAGATGAAAGTAGAGAAA
TGGGCAGAAGGAGTGACAGTGGAGAAGAAAGATGTATCAAGGAACCCATAAAACCACCTCCAGTCCCT
GCAAACCCACACATATGGAAAAATCCACAGACACAGAGGAGGACAATGTAGCTGGACCACTATTTAGCAA
CAAACCACTCAGTTTCCATCAGTTCATGCTGAAGTACAGTCTGAGGAGACAAGTGAAGGAGCTCGGGGT
CCCTCTGACAAACCGACTACTCCTAAGACCGACTACACCCACCCTCGTCACCACCTCCAGCGCCTGTCT
CTGCCGAGTACGCTTATGTCCCAGCTGACCCAGCTCAGTTTCCGCTCAGATGTTAGAAGATGTAGCTAA
AAAGAGTTCAGGATCTGGTGACAAACGTACTCCCTTTGGAAGTTATGGTATTGCTGGCGAAATTACTGTG
ACTACTGCCCATGTCCGAGAGCAGAACCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR219286 representing NM_001042419
Red=Cloning site Green=Tags(s)

MISSKPRLVVYPYGLKTLLEGVSRAILKTNPTNITQFAAVYFKELIVFREGNSSLDIKDLIKQFHQMKVEK
 WAEGVTVEKKECIKEPIKPPVPCKPTHMEKSTDEEDNVAGPLFSNKTTQFPSVHAEVQSEETSEGARG
 PSDKPTTPKTDYTPPSSPPPAPVSAEYAVPADPAQFAAQMLEDVAKKSSGSGDKRTPFGSYGIAGEITV
 TTAHVRRRAEP

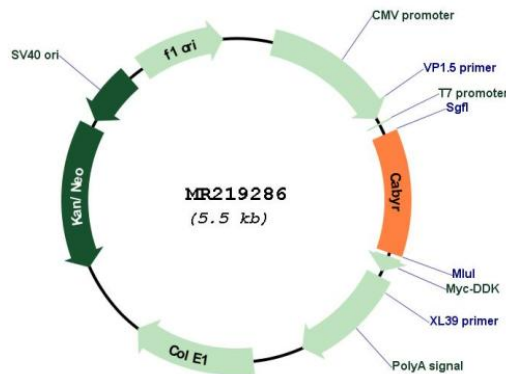
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001042419

ORF Size: 660 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:	NM_001042419.1 , NP_001035884.1
RefSeq Size:	818 bp
RefSeq ORF:	663 bp
Locus ID:	71132
UniProt ID:	Q9D424
Cytogenetics:	18 A1
MW:	24.4 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]