

Product datasheet for **MG219370**

Cabyr (NM_181731) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cabyr (NM_181731) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cabyr
Synonyms:	1700016C01Rik; 4933421A18Rik; CBP86; FSP-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG219370 representing NM_181731 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTTCTTCAAAGCCAGACTTGTGTACCCTATGGCCTCAAGACTCTGCTTGAGGGAGTTAGCAGAG
CCATTCTCAAACCAATCCAACAAACATCACCCAGTTTGCAGCCGTTTATTTAAAGAACTATTGTGTT
TAGAGAAGGGAATTCGTCTCTAGATATAAAGATCTGATTAACAGTTTCACCAGATGAAAGTAGAGAAA
TGGGCAGAAGGAGTGACAGTGGAGAAGAAAGAATGTATCAAGGAACCCATAAAACCACCTCCAGTCCCT
GCAAACCCACACATATGGAAAAATCCACAGACACAGAGGAGGACAATGTAGCTGGACCACTATTTAGCAA
CAAACCACTCAGTTTCCATCAGTTCATGCTGAAGTACAGTCTGAGGAGACAAGTGAAGGAGCTCGGGGT
CCCTCTGACAAACCGACTACTCCTAAGACCGACTACACCCACCCTCGTACCACCTCCAGCGCCTGTCT
CTGCCGAGTACGCTTATGTCCCAGCTGACCCAGCTCAGTTTGGCGCTCAGATGTTAGCACTAGCAACAAG
CGAAGCAGGACAACCACCACCATATTCTAATATGTGGACACTTTATTGTCTAACTGATATGAATCAACAA
AGTCGCCCATCACCGCCACCTGCACCTGGGCCTTTTCCCCAAGCAACCCTGTATTTACCTAATCCTAAGG
AGCCACAGTTTCTGCAGAACCACCGAAAGTCAAGTCTCCAATATGTGATGATGGATGACAGCAAGAA
GACCAATGCCCCACCTTTTATATTAGTAGGCTCAAATGTTCAAGGAGCAGGATTGGAACCCCTCTTCT
GGACATGCTGTTGTGCACAAGCAGAGGCCTTGAAGAGATATGCTGCAGTGAAGTGCCTTGTGTTT
CTGCAGATCAGACATTCAGAGACCTGCCCAAATCCCCAGAATGCTAGTCTCCTACAAGTGGACAAGA
TGGCCCCAGACGAAAAGCCAGTCTTTCTTTCTGTTGCTTTCCAGTAGAAGATGTAGCTAAAAAGAGT
TCAGGATCTGGTACAAACGTAATCCCTTTGGAAGTTATGGTATTGCTGGCGAAATTACTGTGACTACTG
CCCATGTCCGAGAGCAGAACCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG219370 representing NM_181731
Red=Cloning site Green=Tags(s)

MISSKPRLVVPYGLKTLLEGVSRAILKTNPTNITQFAAVYFKELIVFREGNSSLDIKDLIKQFHQMKVEK
 WAEGVTVEKKECIKEPIKPPVPCKPTHMEKSTDEEDNVAGPLFSNKTTQFPSVHAEVQSEETSEGARG
 PSDKPTTPKTDYTPSSPPAPVSAEYAYVPADPAQFAAQMLALATSEAGQPPPYSNMWTLYCLTDMNQ
 SRPSPPPAPGPFPPQATLYLPNPKPEQFLQNPVKVTSPTYVMMDDSKKTNAPPFILVGSNVQEAQDWNPLP
 GHAVVSQAEALKRYAAVQVPIAVPADQTFQRPAPNPQNASPTSGQDGRPRKSPVFLSVAFPVEDVAKKS
 SSGDKRTPFGSYGIAGEITVTTAHVRAEP

TRTRPLE - GFP Tag - V

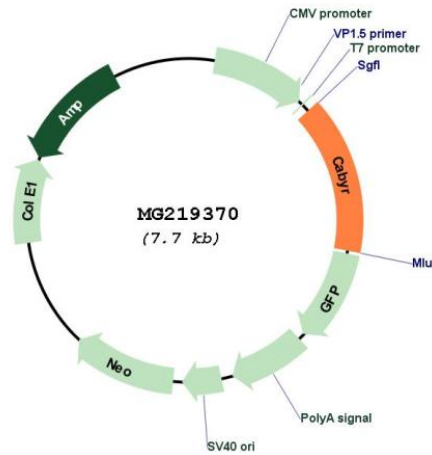
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_181731

ORF Size:	1143 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_181731.3 , NP_859420.2
RefSeq Size:	1301 bp
RefSeq ORF:	1146 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]