

Product datasheet for **MG219286**

Cabyr (NM_001042419) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Cabyr (NM_001042419) 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: | >MG219286 representing NM_001042419 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTTCTTCAAAGCCAGACTTGTGTACCCTATGGCCTCAAGACTCTGCTTGAGGGAGTTAGCAGAG
CCATTCTCAAACCAATCCAACAAACATCACCCAGTTTGCAGCCGTTATTTTAAAGAACTATTGTGTT
TAGAGAAGGGAATTCGTCTCTAGATATAAAGATCTGATTAACAGTTTCACCAGATGAAAGTAGAGAAA
TGGGCAGAAGGAGTGACAGTGGAGAAGAAAGAATGTATCAAGGAACCCATAAAACCACCTCCAGTCCCT
GCAAACCCACACATATGGAAAAATCCACAGACACAGAGGAGACAATGTAGCTGGACCACTATTTAGCAA
CAAACCACTCAGTTTCCATCAGTTCATGCTGAAGTACAGTCTGAGGAGACAAGTGAAGGAGCTCGGGT
CCCTCTGACAAACCGACTACTCCTAAGACCGACTACACCCACCCTCGTACCACCTCCAGCGCCTGTCT
CTGCCGAGTACGCTTATGTCCCAGCTGACCCAGCTCAGTTTCCGCTCAGATGTTAGAAGATGTAGCTAA
AAAGAGTTCAGGATCTGGTGACAAACGTAACCTTTGGAAGTTATGGTATTGCTGGCGAAATTACTGTG
ACTACTGCCCATGTCCGCAGAGCAGAACCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

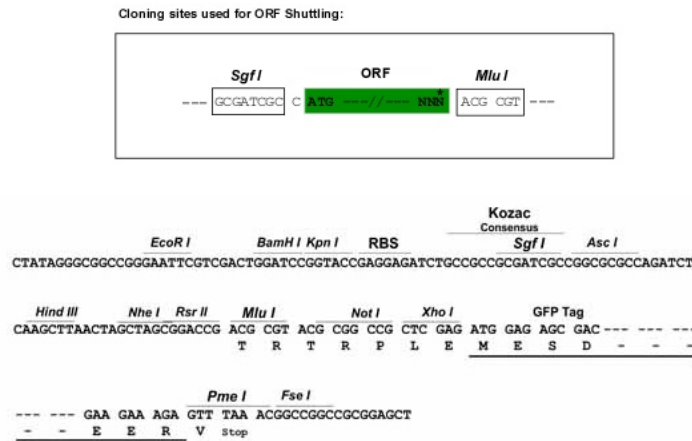
Protein Sequence: >MG219286 representing NM_001042419
Red=Cloning site Green=Tags(s)

MISSKPRLVVPYGLKTLLEGVSRAILKTNPTNITQFAAVYFKELIVFREGNSSLDIKDLIKQFHQMKVEK
 WAEGVTVEKKECIKEPIKPPVPCKPTHMEKSTDEEDNVAGPLFSNKTTQFPSVHAEVQSEETSEGARG
 PSDKPTTPKTDYTPPSSPPAPVSAEYAYVPADPAQFAAQMLEDVAKKSSGSGDKRTPFGSYGIAGEITV
 TTAHVRRRAEP

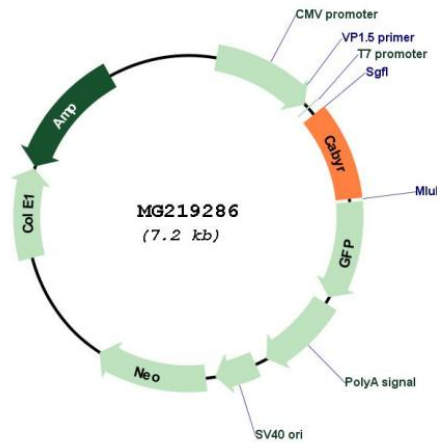
TRTRPLE - GFP Tag - V

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 |
| 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] |