

Product datasheet for **MG202748**

Cacybp (NM_009786) Mouse Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Cacybp (NM_009786) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Cacybp |
| Synonyms: | SIP |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG202748 representing NM_009786 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCCGTTTTGGAAGAGTTGCAGAAAGACCTAGAAGAGGTCAAAGTATTGCTGGAAAAGTCCACTA
GGAAAAGACTACGTGATACTCTTACAAGTGAAAAGTCCAAGATTGAGACGGAAGCTCAAGAACAAGATGCA
ACAGAAGTCGCAGAAGAAACCAGAACTTGATAATGAAAAGCCAGCTGCTGTGGTTGCTCCTTACAACA
GGATACACCGTAAAATCAGTAATTATGGATGGGATCAGTCAGATAAGTTTGTGAAAATCTACATTACCT
TGACTGGCGTCCATCAGGTGCCCACTGAGAACGTGCAGGTGCACTTCACAGAGAGGTCATTTGATCTTCT
GGTAAAAAACCTCAATGGCAAGAATTACTCCATGATTGTGAACAATCTTTTAAAACCTATCTCTGTGGAA
AGCAGTTCAAAAAAGTCAAGACTGATACAGTAATTATTCTATGTAGAAAAGAAAGCAGAAAAACAAGAT
GGGACTACTTAACACAGGTGAAAAGGAATGCAAAGAGAAAAGAAAAGCCTTCCTACGACACGGAGGCAGA
CCCTAGTGAGGGATTAATGAATGTTCTAAAGAAAATTTATGAAGACGGAGACGATGATGAAGCGAACCC
ATTAATAAAGCGTGGGTGGAATCCAGAGAGAAGCAAGCCAGAGAAGACACGGAATTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202748 representing NM_009786
 Red=Cloning site Green=Tags(s)

MASVLEELQKDL EEVKV LLEKSTRKRLRDLTSEKSKIETELKNKMQQKSQKPELDNEKPAAVVAPLTT
 GYTVKISNYGWDQSDKFVKIYITLTGVHQVPTENVQVHF TERSFDLLVKNLNGKNYSMIVNNLLKPI SVE
 SSSKVKVTDTVIILCRKKAENTRW DYL TQVEKECKEKEKPSYDTEADPSEGLMNVLLKKIYEDGDDDMKRT
 INKAWVESREKQAREDETF

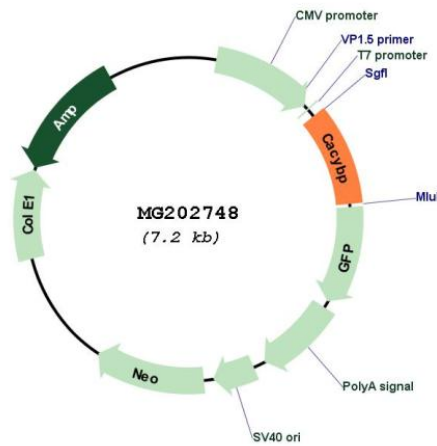
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_009786

ORF Size: 687 bp

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|-------------------------------|---|
| 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_009786.2 |
| RefSeq Size: | 1493 bp |
| RefSeq ORF: | 690 bp |
| Locus ID: | 12301 |
| UniProt ID: | Q9CXW3 |
| Cytogenetics: | 1 H2.1 |
| Gene Summary: | May be involved in calcium-dependent ubiquitination and subsequent proteasomal degradation of target proteins. Probably serves as a molecular bridge in ubiquitin E3 complexes. Participates in the ubiquitin-mediated degradation of beta-catenin (CTNNB1) (By similarity).[UniProtKB/Swiss-Prot Function] |