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Product datasheet for MG200485

Ppp3r1 (BC002267) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppp3r1 (BC002267) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ppp3r1
Synonyms:	MCIP1, Cnb1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

```
>MG200485 representing BC002267
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTCTGCCTGAGTTACAGCAGAACCCTTTAGTACAGCGGGTAATAGATATATTCGACACAGACGGCA
ACGGAGAAGTGGACTTCAAAGAATTCATTGAAGGAGTGTCTCAGTTCAGTGTCAAAGGCGATAAGGAACA
GAAGTTGAGGTTTGCTTTTCGTATCTATGACATGGATAAAGATGGCTATATTTCCAATGGAGAACTCTTC
CAGGTGTTGAAGATGATGGTGGGCAACAATCTGAAAGATACACAATTACAGCAGATTGTAGACAAAACCA
TAATAAATGCAGATAAGGATGGAGATGGAAGAATATCCTTTGAGGAATTCTGTGCTGTAAGTGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag -  GTTTAA
```

Protein Sequence:

```
>MG200485 representing BC002267
Red=Cloning site Green=Tags(s)

MSLPELQQNPLVQRVIDIFDTDGNGEVDFKEFIEGVSQFSVKGDKEQKLRFAFRIYDMDKDGYISNGELF
QVLKMMVGNNLKDTQLQQIVDKTIINADKDGDGRISFEEFCAVSE

TRTRPLE - GFP Tag -  V
```

Restriction Sites: SgfI-MluI

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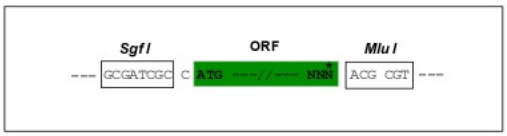
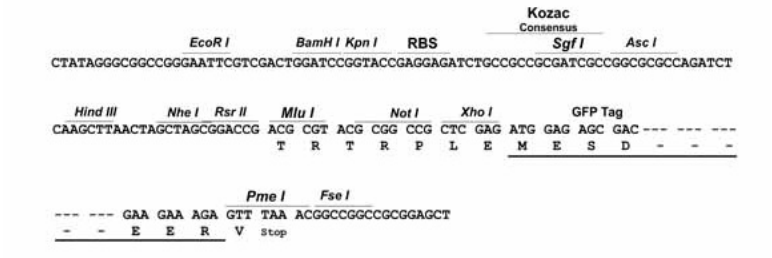
Cloning Scheme:





ACCN:	BC002267
ORF Size:	347 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:	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:	BC002267
RefSeq Size:	802 bp
RefSeq ORF:	347 bp

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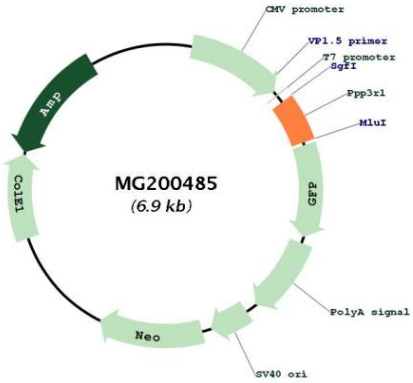
Locus ID: 19058

Cytogenetics: 11 A2

Gene Summary: Regulatory subunit of calcineurin, a calcium-dependent, calmodulin stimulated protein phosphatase. Confers calcium sensitivity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG200485

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