

Product datasheet for **RG216191**

PRG3 (NM_006093) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	PRG3
Synonyms:	MBP2; MBPH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG216191 representing NM_006093
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAACGCCTCTTGCTCCTGCCCTTCTCCTGCTGGGAACAGTTTCTGCTCTTCATCTGGAGAATGATG
CCCCCATCTGGAGAGCCTAGAGACACAGGCAGACCTAGGCCAGGATCTGGATAGTTCAAAGGAGCAGGA
GAGAGACTTGGCTCTGACGGAGGAGGTGATTGAGGAGAGGAGAGGAGGTCAAGGCTTCTGCCTGTCAA
GACAACTTTGAGGATGAGGAAGCCATGGAGTCGGACCCAGCTGCCCTAGACAAGGACTTCCAGTGCCCA
GGGAAGAAGACATTGTTGAAAGTGCAGGGAAGTCCAAGGTGCAAGACCTGCCGCTACCTATTGGTGCAGGAC
TCCTAAACTTTTGCAGAAGCTCAGAATGTCTGCAGCAGATGCTACGGAGGCAACCTTGTCTCTATCCAT
GACTTCAACTTCAACTATCGCATTGCTGCTGCACTAGCACAGTCAACCAAGCCAGGTCTGGATTGGAG
GCAACCTCAGGGGCTGGTTCCTGTGGAAGCGTTTGTGCTGACTGATGGGAGCCACTGGAATTTGCTTA
CTGGTCCCCAGGCAACCTGGGAATGGGCAAGGCTCCTGTGTGGCCCTATGCACCAAGGAGGTTATTGG
CGACGAGCTCAATGCGACAAGCAACTGCCCTTCGTCTGCTCCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG216191 representing NM_006093
Red=Cloning site Green=Tags(s)

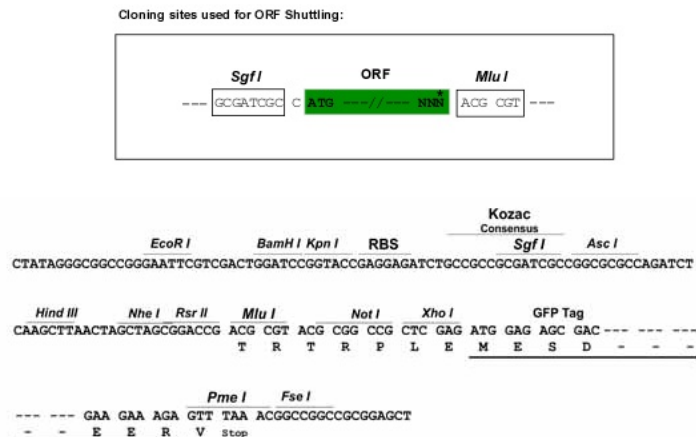
MQRLLLPFLLLTGTVSALHLENDAPHLESLETQADLGQDLDSKEQERDLALTEEVIQAEGEVVKASACQ
DNFEDEEAMESDPAALDKDFQCPREEDIVEVQGSPPCKTCRYLLVTPKTFAEAQNVCSRQYGGNLVSIH
DFNFYRIQCCTSTVNQAQVWIGGNLRGFWLWKRFCWTDGSHWNFAIYWSPPGQPGNGQGSVALCTKGGYV
RRAQCDKQLPFVCSF

TRTRPLE - GFP Tag - V



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006093

ORF Size: 675 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_006093.2](#), [NP_006084.1](#)

RefSeq Size: 868 bp

RefSeq ORF: 678 bp

Locus ID: 10394

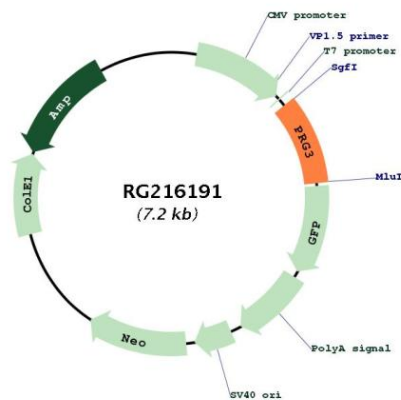
UniProt ID: [Q9Y2Y8](#)

Cytogenetics: 11q12.1

Domains: CLECT

Gene Summary: Possesses similar cytotoxic and cytostimulatory activities to PRG2/MBP. In vitro, stimulates neutrophil superoxide production and IL8 release, and histamine and leukotriene C4 release from basophils.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG216191