

## Product datasheet for MC209945

### Prg3 (NM\_016914) Mouse Untagged Clone

#### Product data:

|                           |                                                                                 |
|---------------------------|---------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                             |
| Product Name:             | Prg3 (NM_016914) Mouse Untagged Clone                                           |
| Tag:                      | Tag Free                                                                        |
| Symbol:                   | Prg3                                                                            |
| Synonyms:                 | MBP2; MBPH                                                                      |
| Mammalian Cell Selection: | Neomycin                                                                        |
| Vector:                   | pCMV6-Entry (PS100001)                                                          |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                            |
| Fully Sequenced ORF:      | >MC209945 representing NM_016914<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAACAGCCCCTGATCCTGTCTTTCTCTGCTGGGGATGGTTTCTGCTTTTCATCTGGAGACTGCTC  
ATCTGGAGAATCCCAAGAGAGAGGAAAGCCTGAAGCAGGAAGCAGATGGTTCAGGGAGCAAGGGAGAGA  
GTTGGCTCTGACTCAAGAGACAAAGCAGACAGAGGGAGAGGAGTTGAGGGTCCCAACACCAAGACATT  
TTTGAGGATGAGGAGGCAATGGAGTCAGATCCAGATGCCTTAAATAAGGACTCTGCTTGCCCAAGGAAG  
AGGACACAACCTATTTTCAGGGAACCTGGGTGCAAGAGCTGCAACTATGTGCTGGTGAGGACTCCCGA  
GACATTTGATAAGGCTCAGAGAGTCTGCAGGAGATGCTACCGAGGCAACCTTGCTTCCGTCCACAGTTAT  
AGTTTCAACTACCAAAATTCAGAACTTGGCCAGGAAGATCAATCAGTCCATCGTCTGGATTGGAGGCATCC  
TCAGGGGATGGTTCTGGAAGAAGTTTGTGGATGGATGGGAGCTGCTGGGATTTTGATACTGGCCCC  
AGGGCAGCCTGGGAGTGGGGGAGGACACTGTGTGACTCTGTGTACCAAGGGGGCCATTGGCGAAGAGCT  
TCATGCAAAAGTCACCTGCCTTTCATCTGCTCCTT**CTAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                    |           |
|--------------------|-----------|
| Restriction Sites: | SgfI-MluI |
| ACCN:              | NM_016914 |
| Insert Size:       | 669 bp    |


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|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OTI Disclaimer:</b>        | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).                                                                                                                                                                    |
| <b>Components:</b>            | 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).                                                                                                                                                                                                                                                                                                                              |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RefSeq:</b>                | <u><a href="#">NM_016914.2</a></u> , <u><a href="#">NP_058610.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RefSeq Size:</b>           | 949 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>RefSeq ORF:</b>            | 669 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Locus ID:</b>              | 53856                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>UniProt ID:</b>            | <u><a href="#">Q9JL95</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Cytogenetics:</b>          | 2 49.45 cM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Gene Summary:</b>          | Possesses similar cytotoxic and cytostimulatory activities to PRG2/MBP.[UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                                                                                                                                                                                                            |