

Product datasheet for MR223439

Prg2 (NM_008920) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Prg2 (NM_008920) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Prg2
Synonyms: EMBP; MBP; mMBP; mMBP-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR223439 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAATCCCTCTACTTCTGGCTCTTCTAGTCGGGGGAGCGTCTGCTCTTCATCTGAGCTCTGAACTT
CTGACTCCAAAAGCCATTGATGGATGAGAACTGCCTAGGGATGCAGAGATATCAGGACCAGAAGGAGA
AGAGTGTCTCCAGGGGAAGAGCTAATGCCACTGGAGGGGAGAAGGAAGAAGGTTCTGGAAGTGAAGGT
GTTCTGGGGATGAAGGAGCTGTCTCAGGTCAGGATGTGACAGACGTGGACCTTCAGTGCCCAAGGAAG
AGGACACAACAAGTCTTATGGGTGACTCTGGATGCAAGACCTGTCGCTACCTCCTAGTCAGGAGGGCTGA
ATGCTTTGACAAAGCTCAGTCAGTTTGCCGGCGCTGCTACCGGGGCACCTCGCCTCCATCCACAGTTTC
AGTGTTAACTTCGGAATCCAGTCCGCTGTGAGGGGAATCAACCAGGGTCAAGTCTGGATTGGAGGCAGGA
TCAAGGGCTGGGGCCGATGCAAACGCTTTCGATGGGTTGATGGAAGTTCTTGAATTTTGCACTAGGGC
TGCTGGGCAGCCTTGCCCTGGTGGTGGCAGATGTGTGACCCTGTGTACTCAAGGAGGCCACTGGCGTCTA
TCTCACTGTGCAAGAGACGTCCCTTCATCTGTTCTGAT

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR223439 protein sequence
Red=Cloning site Green=Tags(s)

MKFPLLLALLVGGASALHLSSETSDSKSPLMDENLPRDAEISGPEGECPPEELMPLEGEKEEGSGSEG
 VPGDEGAVSGQDVTVDLQCPKEEDTTSMLMGDSGCKTCRYLLVRRACFDKAQSVCRRCYRGTLASIHSE
 SVNFGIQSAVRGINQQVWIGGRKIKGWGRCKRFRWVDGSSWNFAFYWAAGQPCPGGGRCVTLCTQGGHWRL
 SHCVKRRPFICSY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_008920

ORF Size: 672 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: [NM_008920.4](#), [NP_032946.1](#)

RefSeq Size: 838 bp

RefSeq ORF: 672 bp

Locus ID: 19074

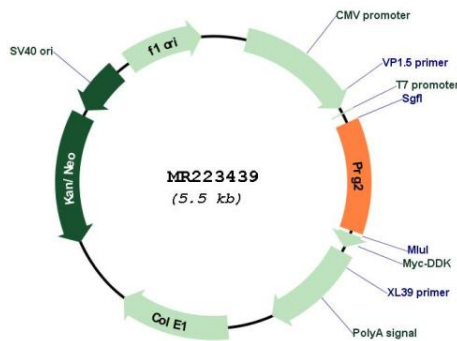
UniProt ID: [Q61878](#)

Cytogenetics: 2 49.45 cM

MW: 24.3 kDa

Gene Summary: Cytotoxin and helminthotoxin. MBP also induces non-cytolytic histamine release from basophils. It is involved in antiparasitic defense mechanisms and immune hypersensitivity reactions (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223439