

Product datasheet for **RC236688**

Major Basic Protein (PRG2) (NM_001302926) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Major Basic Protein (PRG2) (NM_001302926) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: Major Basic Protein
Synonyms: BMPG; MBP; MBP1; proMBP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC236688 representing NM_001302926
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAACTCCCCCTACTTCTGGCTCTTCTATTTGGGGCAGTTTCTGCTTTCATCTAAGGTCTGAGACTT
 CCACCTTTGAGACCCCTTTGGGTGCTAAGACGCTGCCTGAGGATGAGGAGACACCAGAGCAGGAGATGGA
 GGAGACCCCTTGCAGGGAGCTGGAGGAAGAGGAGGAGTGGGGCTCTGGAAGTGAAGATGCCTCCAAGAAA
 GATGGGGCTGTTGAGTCTATCTCAGTGCCAGATATGGTGGACAAAACCTTACGTGTCCTGAGGAAGAGG
 ACACAGTAAAAGTGGTGGGCATCCCTGGGTGCCAGACCTGCCGCTACCTCCTGGTGAAGAAGTCTTCAGAC
 GTTTAGTCAAGCTTGGTTTACTTGCCGGAGGTGCTACAGGGGCAACCTGGTTTCCATCCACAACCTCAAT
 ATTAATTATCGAATCCAGTGTCTGTCAGCGCGCTCAACCAGGGTCAAGTCTGGATTGGAGGCAGGATCA
 CAGGCTCGGGTCGCTGCAGACGCTTTCAGTGGGTTGACGGCAGCCGCTGGAACCTTTCGTAAGGCTGC
 TCACCAGCCCTGGTCCCGCGGTGGTCACTGCGTGGCCCTGTGTACCCGAGGAGGCTACTGGCGTCGAGCC
 CACTGCCTCAGAAGACTTCCTTTCATCTGTTCTCTAC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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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_001302926.1](#), [NP_001289855.1](#)

RefSeq Size: 1427 bp

RefSeq ORF: 669 bp

Locus ID: 5553

UniProt ID: [P13727](#)

Cytogenetics: 11q12.1

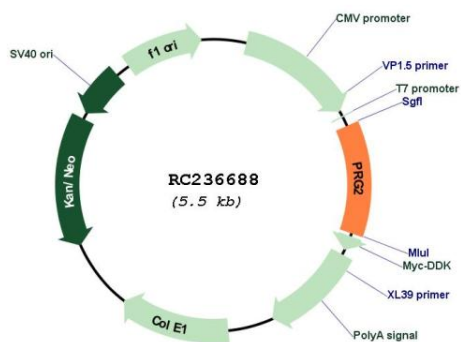
Protein Families: Secreted Protein

Protein Pathways: Asthma

MW: 25.2 kDa

Gene Summary: The protein encoded by this gene is the predominant constituent of the crystalline core of the eosinophil granule. High levels of the proform of this protein are also present in placenta and pregnancy serum, where it exists as a complex with several other proteins including pregnancy-associated plasma protein A (PAPPA), angiotensinogen (AGT), and C3dg. This protein may be involved in antiparasitic defense mechanisms as a cytotoxin and helminthotoxin, and in immune hypersensitivity reactions. The encoded protein contains a peptide that displays potent antimicrobial activity against Gram-positive bacteria, Gram-negative bacteria, and fungi. It is directly implicated in epithelial cell damage, exfoliation, and bronchospasm in allergic diseases. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2014]

Product images:



Circular map for RC236688