

Specifications:

Gene:	<i>hPRG2</i>
Accession:	NP_002719
Insert size:	682bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

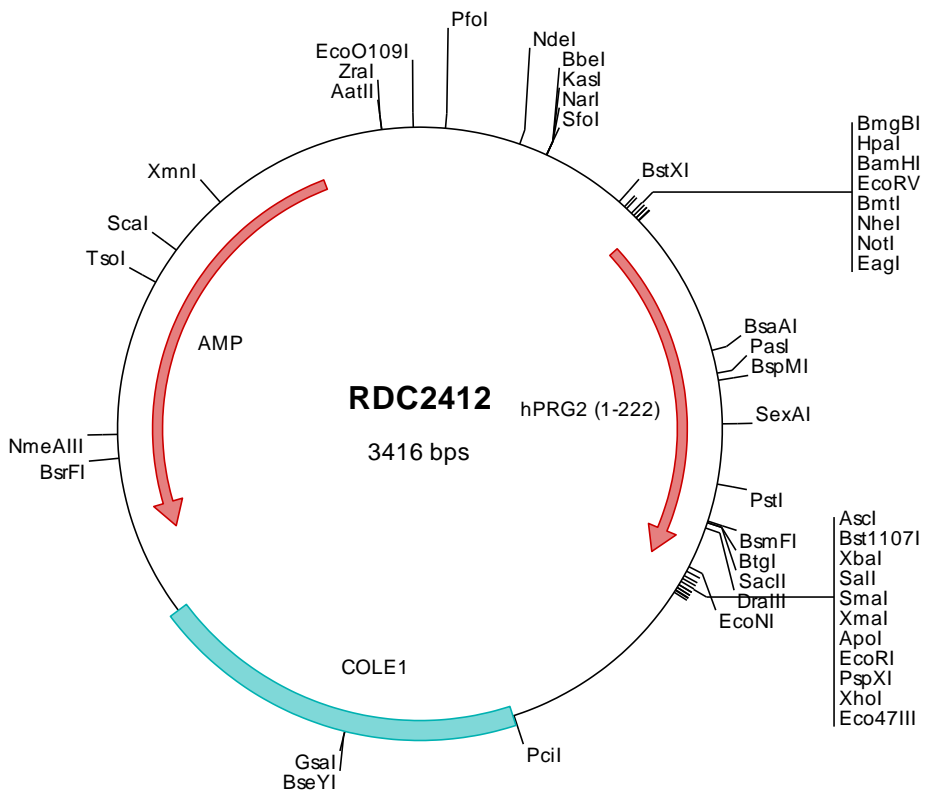
**hMBP-1 cDNA
Plasmid**

**PRG2 proteoglycan 2, pro
eosinophil major basic protein
[*Homo sapiens* (human)]**

Also known as: MBP; BMPG;
MBP1; proMBP

Summary:

MBP-1 is the predominant constituent of the crystalline core of the eosinophil granule. It may be involved in antiparasitic defense mechanisms as a cytotoxin and helminthotoxin, and in immune hypersensitivity reactions. MBP-1 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 transcripts encoding different proteins have been described.



> RDC2412 Plasmid DNA Sequence

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> RDC2412 Translated Insert Sequence

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