

Recombinant Human PRG2, His-tagged

Cat. No. PRG2-44H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Bone Marrow Proteoglycan/BMPG is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Leu17-Tyr222) of Human PRG2 fused with a 6His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	17-222 a.a.
Description	Bone Marrow Proteoglycan (BMPG) is a secreted protein that contains one C-type lectin domain. BMPG is the predominant constituent of the crystalline core of the eosinophil granule. BMPG is highly expressed in placenta and pregnancy serum. BMPG may be involved in antiparasitic defense mechanisms as a cytotoxin and helminthotoxin. BMPG induces non-cytolytic histamine release from human basophils. In addition, BMPG also participated in antiparasitic defense mechanisms and immune hypersensitivity reactions.
AA Sequence	LHLRSETSTFETPLGAKTLPEDDEETPEQEMEETPCRELEEEEEWGSSEDASKKDG AVESISVPD MVDKNLTCPEEEDTVKVVGIPGCQTCRYLLVRS LQTFSQAWFTCRRC YRGNLVS IHNFNINYRIQ CSVSALNQGGVWIGGRITGSGRCRRFQWVDGSRWNFA YWAAHQPSRGGHCVALCTRGGYWRRRAH CLRRLPFICSYVDHHHHHH
Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity Greater than 95% as determined by reducing SDS-PAGE.

GENE INFORMATION

Gene Name PRG2 proteoglycan 2, bone marrow (natural killer cell activator, eosinophil granule major basic protein) [Homo sapiens]

Official Symbol PRG2

Synonyms PRG2; proteoglycan 2, bone marrow (natural killer cell activator, eosinophil granule major basic protein); bone marrow proteoglycan; BMPG; MBP; bone-marrow proteoglycan; proteoglycan 2 preproprotein; natural killer cell activator; eosinophil major basic protein; eosinophil granule major basic protein; MBP1; MGC14537;

Gene ID 5553

mRNA Refseq NM_001243245

Protein Refseq NP_001230174

MIM 605601

UniProt ID P13727

Chromosome Location 11q12

Pathway Asthma, organism-specific biosystem; Asthma, conserved biosystem;

Function binding; heparin binding; sugar binding;

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