

BMPG Protein, Human, Recombinant (His)

General Information

Synonyms:	Bone Marrow Proteoglycan;PRG2;Proteoglycan 2;Eosinophil Granule Major Basic Protein; BMPG;MBP;Pregnancy-Associated Major Basic Protein;EMBP
Protein Construction:	Leu17-Tyr222
Species:	Human
Expression Host:	HEK293 Cells
Accession:	AAH05929.1
Molecular Weight:	33 KDa (reducing condition)
AA Sequence:	Leu17-Tyr222

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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