Recombinant Human BMPG

Catalog No: C818

Description	Recombinant Human Bone Marrow Proteoglycan is produced by our Mammalian expression system and the target gene encoding Leu17-Tyr222 is expressed with a 6His tag at the C-terminus.
Source	Human Cells
Alternative name	Bone Marrow Proteoglycan; BMPG; Proteoglycan 2; Eosinophil Granule Major Basic Protein; EMBP; MBP; Pregnancy-Associated Major Basic Protein; PRG2; MBP
Accession No.	P13727
Formulation	Supplied as a 0.2 μm filtered solution of 20mM PB,150mM NaCl, pH7.4.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Storage	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid Sequence	LHLRSETSTFETPLGAKTLPEDEETPEQEMEETPCRELEEEEEWGSGSEDASKKDGAVESISVPDMVDKNL TCPEEEDTVKVVGI PGCQTCRYLLVRSLQTFSQAWFTCRRCYRGNLVSIHNFNINYRIQCSVSALNQGQVWIGGRITGSGRCRRF QWVDGSRWNFA YWAAHQPWSRGGHCVALCTRGGYWRRAHCLRRLPFICSYVDHHHHHH
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.

SDS-Page