



Recombinant Protein Technical Manual
Recombinant Human PRG2/BMPG Protein (His Tag)
RPES3566

Product Data:

Product SKU: RPES3566

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P13727

Protein Information:

Molecular Mass: 24.6 kDa

AP Molecular Mass: 33 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Bone Marrow Proteoglycan; BMPG; Proteoglycan 2; Eosinophil Granule Major Basic Protein; EMBP; MBP; Pregnancy-Associated Major Basic Protein; PRG2; MBP

Immunogen Information:

Sequence: Leu17-Tyr222

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.