



Recombinant Protein Technical Manual
Recombinant Human Proteoglycan 3/PRG3 Protein
(His Tag)
RPES3423

Product Data:

Product SKU: RPES3423

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q9Y2Y8

Protein Information:

Molecular Mass: 24.6 kDa

AP Molecular Mass: 27 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: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.2.

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

Application:

Synonyms: Proteoglycan 3; Eosinophil Major Basic Protein Homolog; Prepro-Major Basic Protein Homolog; Prepro-MBPH; PRG3; MBPH

Immunogen Information:

Sequence: Leu18-Phe225

Background:

Proteoglycan 3, also known as Eosinophil major basic protein homolog, Prepro-major basic protein homolog, PRG3 and MBPH, contains one C-type lectin domain. Proteoglycans are a major component of the animal extracellular matrix. PRG3 localizes to the eosinophil secondary granule and is expressed in bone marrow, not detected in placenta. PRG3 has similar cytotoxic and cytostimulatory activities to PRG2/MBP. In vitro, PRG3 can stimulate neutrophil superoxide production and IL8 release, histamine and leukotriene C4 release from basophils.