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Datasheet for ABIN7318966

Proteoglycan 3 Protein (PRG3) (His tag)

Overview

Quantity:	50 µg
Target:	Proteoglycan 3 (PRG3)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Proteoglycan 3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Proteoglycan 3/PRG3 Protein (His Tag)
Sequence:	Leu18-Phe225
Characteristics:	Recombinant Human Proteoglycan 3 is produced by our Mammalian expression system and the target gene encoding Leu18-Phe225 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Proteoglycan 3 (PRG3)
Alternative Name:	Proteoglycan 3/PRG3 (PRG3 Products)
Background:	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

Target Details

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.

Synonym: Proteoglycan 3, Eosinophil Major Basic Protein Homolog, Prepro-Major Basic Protein Homolog, Prepro-MBPH, PRG3, MBPH

Molecular Weight: 24.6 kDa

UniProt: [Q9Y2Y8](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

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

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, 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.