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Datasheet for ABIN4370742

Proteoglycan 3 Protein (PRG3) (AA 18-225) (His tag)

Overview

Quantity:	50 µg
Target:	Proteoglycan 3 (PRG3)
Protein Characteristics:	AA 18-225
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 (C-6His)
Sequence:	LHLENDAPHL ESLETQADLG QDLDSKEQE RDLALTEEVI QAEGEEVKAS ACQDNFEDEE AMESDPAALD KDFQCPREED IVEVQGSPRC KTCRYLLVRT PKTFAEAAQNV CSRCYGGNLV SIHDFNFNRYR IQCCTSTVNQ AQVWIGGNLR GWFLWKRFCW TDGSHWNFAY WSPGQPGNGQ GSCVALCTKG GYWRRAQCDK QLPFVCSFVD HHHHHH
Characteristics:	Recombinant Human Proteoglycan 3/PRG3 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Leu18-Phe225) of Human PRG3 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	Proteoglycan 3 (PRG3)
Alternative Name:	Proteoglycan-3 (PRG3 Products)
Sub Type:	Fusionprotein
Background:	<p>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.</p> <p>Alternative Names: Proteoglycan 3, Eosinophil Major Basic Protein Homolog, Prepro-Major Basic Protein Homolog, Prepro-MBPH, PRG3, MBPH</p>
Molecular Weight:	24.6 kDa
UniProt:	Q9Y2Y8

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months