

PRG2 抗原（重组蛋白）

中文名称： PRG2 抗原（重组蛋白）

英文名称： PRG2 Antigen (Recombinant Protein)

别名： proteoglycan 2, pro eosinophil major basic protein; MBP; BMPG; MBP1; proMBP

相关类别： 抗原

储存： 冷冻（-20℃）

概述

Fusion protein corresponding to a region derived from 17-222 amino acids of human PRG2

技术规格

Full name:	proteoglycan 2, pro eosinophil major basic protein
Synonyms:	MBP; BMPG; MBP1; proMBP
Swissprot:	P13727
Gene Accession:	BC005929
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	The protein encoded by this gene is the predominant constituent of the crystalline core of the eosinophil granule. High levels of the proform of this protein are also present in placenta and pregnancy serum, where it exists as a complex with several other proteins including pregnancy-associated plasma protein A (PAPPA), angiotensinogen (AGT), and C3dg. This protein may be involved in antiparasitic defense mechanisms as a cytotoxin and helminthotoxin.

n, and in immune hypersensitivity reactions. The encoded protein contains a peptide that displays potent antimicrobial activity against Gram-positive bacteria, Gram-negative bacteria, and fungi. It is directly implicated in epithelial cell damage, exfoliation, and bronchospasm in allergic diseases. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.