

Recombinant Human PRG2 Protein (Leu17-End), N-His-ABP tagged

Cat. No. PRG2-19H Lot. No. (See product label)

SPECIFICATION

Product Overview Purified recombinant protein of Human proteoglycan 2, bone marrow (natural killer cell activator, eosinophil granule major basic protein) (PRG2), Leu17-End, with N-terminal His tag and ABP (Albumin-Binding Protein), expressed in E. coli.

Species Human

Source E.coli


ProteinLength Leu17-End

Description 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, 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.

Molecular Mass 23.6 kDa

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Applications	Cell culture: For culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	50 mM Tris-HCl, pH 8.0, 8 M urea

GENE INFORMATION

Gene Name	PRG2 proteoglycan 2, pro eosinophil major basic protein [Homo sapiens (human)]
Official Symbol	PRG2
Synonyms	PRG2; proteoglycan 2, pro eosinophil major basic protein; MBP; BMPG; MBP1; proMBP; bone marrow proteoglycan; eosinophil granule major basic protein; eosinophil major basic protein; natural killer cell activator; proteoglycan 2 preproprotein; proteoglycan 2, bone marrow (natural killer cell activator, eosinophil granule major basic protein)
Gene ID	5553
mRNA Refseq	NM_002728
Protein Refseq	NP_002719

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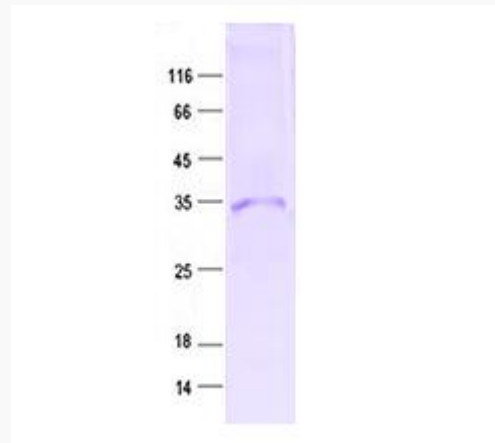
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MIM 605601

UniProt ID P13727

SDS-PAGE



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