

Recombinant Human PRG2 293 Cell Lysate

Cat. No. PRG2-2872HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for proteoglycan 2, bone marrow (natural killer cell activator, eosinophil granule major basic protein) (PRG2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

PRG2 proteoglycan 2, bone marrow (natural killer cell activator, eosinophil granule major basic protein) [Homo sapiens]

Official Symbol

PRG2

Synonyms

PRG2; proteoglycan 2, bone marrow (natural killer cell activator, eosinophil granule major basic protein); bone marrow proteoglycan; BMPG; MBP; bone-marrow proteoglycan; proteoglycan 2 preproprotein; natural killer cell activator; eosinophil major basic protein; eosinophil granule major basic protein; MBP1; MGC14537;

Gene ID

5553

mRNA Refseq

NM_001243245

Protein Refseq

NP_001230174

MIM

605601

UniProt ID

P13727

**Chromosome
Location**

11q12

Pathway

Asthma, organism-specific biosystem; Asthma, conserved biosystem;

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Function	binding; heparin binding; sugar binding;
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