

## PRG3 Protein, Human (HEK293, His)

<b>Cat. No.:</b>	HY-P71233
<b>Synonyms:</b>	Proteoglycan 3; Eosinophil Major Basic Protein Homolog; Prepro-Major Basic Protein Homolog; Prepro-MBPH; PRG3; MBPH
<b>Species:</b>	Human
<b>Source:</b>	HEK293
<b>Accession:</b>	AAI13412.1 (L18-F225)
<b>Gene ID:</b>	10394
<b>Molecular Weight:</b>	Approximately 27.0 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> L H L E N D A P H L   E S L E T Q A D L G   Q D L D S S K E Q E   R D L A L T E E V I Q A E G E E V K A S   A C Q D N F E D E E   A M E S D P A A L D   K D F Q C P R E E D I V E V Q G S P R C   K T C R Y L L V R T   P K T F A E A Q N V   C S R C Y G G N L V S I H D F N F N Y R   I Q C C T S T V N Q   A Q V W I G G N L R   G W F L W K R F C W T D G S H W N F A Y   W S P G Q P G N G Q   G S C V A L C T K G   G Y W R R A Q C D K Q L P F V C S F           </pre>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	Proteoglycan 3 is a stress-resistant extracellular matrix structural component and has similar cytotoxic and costimulatory activities to PRG2/MBP. PRG3 stimulates superoxide production and IL8 release of basophils in vitro, as well as histamine and leukotriene C4 release <sup>[1][2][3]</sup> .
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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