

## Recombinant Human PRG3

Catalog No: C892

<b>Description</b>	Recombinant Human Proteoglycan 3 is produced by our Mammalian expression system and the target gene encoding Leu18-Phe225 is expressed with a 6His tag at the C-terminus.
<b>Source</b>	Human Cells
<b>Alternative name</b>	Proteoglycan 3; Eosinophil Major Basic Protein Homolog; Prepro-Major Basic Protein Homolog; Prepro-MBPH; PRG3; MBPH
<b>Accession No.</b>	Q9Y2Y8
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH7.2.
<b>Quality Control</b>	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Storage</b>	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Amino Acid Sequence</b>	LHLENDAPHLESLETQADLGQDLDSKEQERDLALTEEVIAEGEEVKASACQDNFEDEEAMESDPAALDK DFQCPREEDIVEV QGSPRCKTCRYLLVRTPKTFAEAQNVCSRCYGGNLVSIHDFNFNYRIQCCTSTVNQAQVWIGGNLRGWFL WKRFCWTDGSH WNFAYWSPGQPGNGQGSCVALCTKGGYWRRACDKQLPFVCSFVDHHHHHH
<b>Background</b>	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.

### SDS-Page

