

## Recombinant Human Proteoglycan 3/PRG3 Protein (His Tag)

Catalog No. PKSH032976

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

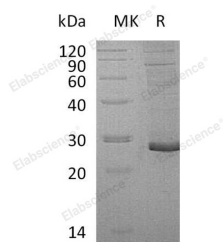
### Description

<b>Synonyms</b>	Proteoglycan 3;Eosinophil Major Basic Protein Homolog;Prepro-Major Basic Protein Homolog;Prepro-MBPH;PRG3;MBPH
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Leu18-Phe225
<b>Accession</b>	AAI13412.1
<b>Calculated Molecular Weight</b>	24.6 kDa
<b>Observed molecular weight</b>	27 kDa
<b>Tag</b>	C-His
<b>Bioactivity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

Proteoglycan 3, also known as Eosinophil major basic protein homolog, Prepro-major basic protein homolog, PRG3 and

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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.