

## Progranulin/PGRN Protein, Human (HEK293, His)

Cat. No.:	HY-P74618
Synonyms:	Acrogranin; CLN11; GEP; GP88; Granulin; GRN; PCDGF; PEPI; PGRN; Proepithelin; Progranulin
Species:	Human
Source:	HEK293
Accession:	NP_002078.1 (T18-L593)
Gene ID:	2896
Molecular Weight:	Approximately 93.3 kDa

### PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

Background	<p>The Progranulin/PGRN Protein represents an 88 kDa precursor protein, also known as proepithelin and PC cell-derived growth factor, from which a family of secreted, glycosylated peptides called granulins is cleaved. This cleavage yields mature granulins, further processed into active 6 kDa peptides, including granulin A, granulin B, granulin C, and so forth. Epithelins 1 and 2 are synonymous with granulins A and B, respectively. The granulin family, with its 7.5 repeats of a highly conserved 12-cysteine granulin/epithelin motif, plays a crucial role in regulating cell growth, with various members acting as inhibitors, stimulators, or having dual actions on cell growth. Ubiquitously expressed, Progranulin/PGRN exhibits elevated levels in the bone marrow (RPKM 141.7), lung (RPKM 139.8), and 25 other tissues, emphasizing its potential significance in diverse physiological processes across multiple organs.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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