

---

## Product Data Sheet

---

Product Name: PGRN Human  
Cat. No.: GP20831  
Batch No.: 1

### Product Data

Purity	>98%	Source	HEK 293 cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	GRN; PGRN; granulin; Acrogranin; propithelin; PC cell derived growth Factor; GEP; GP88; PEPI; PCDGF.		
Formulation	The protein solution contains 1xPBS.		

### Introduction

A 88-kDa progranulin, also called proepithelin and PC cell-derived growth factor, is a single precursor protein of granulins which are a family of secreted, glycosylated peptides that are cleaved from a single precursor protein with 7.5 repeats of a highly conserved 12-cysteine granulin/epithelin motif. Granulins are a variety of active, 6 kDa peptides and named granulin A (epithelin 1), granulin B (epithelin 2), granulin C, etc. Both the peptides and intact progranulin protein regulate cell growth. However, different members of the granulin protein family may act as inhibitors, stimulators, or have dual actions on cell growth. Granulin family members are important in normal development, wound healing, and tumorigenesis.

### Biological Activity

Activates ERK phosphorylation in THP-1 and MCF10A cells and induces cell migration of THP-1 monocytic leukemia cells.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

Progranulin Human Recombinant fused to FLAG at C-terminus produced in HEK is a

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

## Product Data Sheet

---

single, glycosylated, polypeptide chain containing 1-593 amino acids and having a molecular mass of 70kDa. The Progranulin is purified by standard chromatographic techniques.

***Caution: Product has not been fully validated for medical applications. For research use only.***

***Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com***

***Address: 10292 Central Ave. #205, Montclair, CA, USA***