



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### GRN (Human) Recombinant Protein (P01)

**Catalog Number:** H00002896-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human GRN full-length ORF ( NP\_002078.1, 1 a.a. - 593 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MWTLVSWVALTAGLVAGTRCPDQGQFCPVACCLDPGG  
ASYSCCRPLLDKWPTTLRHLGGPCQVDAHCSAGHS  
CIFTVSGTSSCCPFPEAVACGDGHHCCPRGFHCSAD  
GRSCFQRSGNNSVGAIQCPDSQFECPDFSTCCVMVD  
GSWGCCPMPQASCCEDRVHCCPHGAFCDLVHTRCIT  
PTGTHPLAKKLPARTNRAVALSSVMCPDARSRCPD  
GSTCCELPQSGKYGCCPMPNATCCSDHLHCCPQDTV  
DLIQSKCLSKENATDLLTKLPAHTVGDVKCDMEVSCP  
DGYTCCRLLQSGAWGCCPFTQAVCCEDHIHCCPAGFT  
CDTQKGTCEQGPVWMEKAPAHLSLPDPQALKRD  
VPCDNVSSCPSSDTCCQLTSGEWGCCPIPEAVCCSD  
HQHCCPQGYTCVAEQQCQRGSEIVAGLEKMPARRAS  
LSHPRDIGCDQHTSCPVGQTCCPSLGGSWACCQLPH  
AVCCEDRQHCCPAGYTCNVKARSCEKEVSAQPATF  
LARSPHVGVKDVECGEGHFCHDNQTCRDNRRQGWA  
CCPYRQGVCCADRRHCCPAGFRCAARGTKCLRREAP  
RWDAPLRDPALRQLL

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 89.9

**Interspecies Antigen Sequence:** Rat (75)

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 2896

**Gene Symbol:** GRN

**Gene Alias:** GEP, GP88, PCDGF, PEPI, PGRN

**Gene Summary:** Granulins 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. The 88 kDa precursor protein, progranulin, is also called proepithelin and PC cell-derived growth factor. Cleavage of the signal peptide produces mature granulin which can be further cleaved into a variety of active, 6 kDa peptides. These smaller cleavage products are named granulin A, granulin B, granulin C, etc. Epithelins 1 and 2 are synonymous with granulins A and B, respectively. Both the peptides and intact granulin 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. [provided by RefSeq]