

### Product Information

|                     |          |                    |       |              |      |
|---------------------|----------|--------------------|-------|--------------|------|
| <b>Product SKU:</b> | RPCB0305 | <b>Gene ID:</b>    | 2896  | <b>Size:</b> | 10µg |
| <b>Tag:</b>         | C-His    | <b>Reactivity:</b> | Human |              |      |

### Additional Information

|                         |                    |                   |        |
|-------------------------|--------------------|-------------------|--------|
| <b>Expression Host:</b> | -                  | <b>Swissprot:</b> | P28799 |
| <b>Purity:</b>          | > 90% by SDS-PAGE. |                   |        |

### Protein Information

**Background:** 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.

**Protein Description:** High quality, high purity and low endotoxin recombinant Recombinant Human Progranulin/PGRN/GRN Protein, tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.

**Endotoxin:** < 0.1 EU/µg of the protein by LAL method.

**Formulation:** Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

**Storage:**

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.