



Human GRN blocking peptide (CDBP1423)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Product Overview | Blocking/Immunizing peptide for anti-Granulin/GRN antibody |
| Antigen Description | 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, Jul 2008] |
| Species | Human |
| Conjugate | Unconjugated |
| Applications | Apuri, BL, ELISA |
| Format | Lyophilized powder |
| Size | 100 µg |
| Preservative | None |
| Storage | Shipped at ambient temperature, store at -20°C. |

GENE INFORMATION

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| Gene Name | GRN granulin [Homo sapiens (human)] |
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| Official Symbol | GRN |
| Synonyms | GRN; granulin; GEP; GP88; PEPI; PGRN; CLN11; PCDGF; granulins; acrogranin; progranulin; proepithelin; granulin-epithelin; PC cell-derived growth factor; |
| Entrez Gene ID | 2896 |
| mRNA Refseq | NM_002087.2 |
| Protein Refseq | NP_002078.1 |
| UniProt ID | P28799 |
| Chromosome Location | 17q21.32 |
| Pathway | Integrated Breast Cancer Pathway, organism-specific biosystem; |
| Function | cytokine activity; growth factor activity; poly(A) RNA binding; protein binding; |
