

Product datasheet for **SC204271**

Granulin (GRN) (NM_002087) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Granulin (GRN) (NM_002087) Human 3' UTR Clone
Symbol: Granulin
Synonyms: CLN11; GEP; GP88; PCDGF; PEPI; PGRN
Mammalian Cell Selection: Neomycin
Vector: pMirTarget (PS100062)
ACCN: NM_002087
Insert Size: 338 bp
Insert Sequence: >SC204271 3'UTR clone of NM_002087
 The sequence shown below is from the reference sequence of NM_002087. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGGGACCCAGCCTTGAGACAGCTGCTGTGAGGGACAGTACTGAAGACTCTGCAGCCCTCGGGACCCAC
TCGGAGGGTGCCTCTGCTCAGGCCTCCCTAGCACCTCCCCTAACCAAATTCTCCCTGGACCCCATTC
TGAGCTCCCATCACCATGGGAGGTGGGCCTCAATCTAAGGCCTCCCTGTGAGAAGGGGGTTGTGGC
AAAAGCCACATTACAAGCTGCCATCCCCTCCCCTTTTCAGTGGACCCTGTGGCCAGGTGCTTTCCCTA
TCCACAGGGGTGTTTGTGTGTGTGCGCGTGTGCGTTTTCAATAAAGTTGTACACTTTCTTAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_002087.4](#)



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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, Jul 2008]

Locus ID:

2896

MW:

12