

Recombinant Human GRN Protein, GST-tagged

Cat. No. GRN-5375H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GRN full-length ORF (NP_002078.1, 1 a.a. - 593 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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]
Molecular Mass	89.9 kDa
AA Sequence	MWTLVSWVALTAGLVAGTRCPDGQFCPVACCLDPGGASYSCCRPLLDKWPTTSLR HLGGPCQVDAHCSAGHSCIFTVSGTSSCCPFPEAVACGDGHHCPRGFHCSADGR

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SCFQ RSGNNSVGAIQCPDSQFECPDFSTCCVMVDGSGGCCPMPQASCCEDRVHC
 CPHGAFCDLVHTRCITPTGTHPLAKKLPAQRTNRAVALSSVMCPDARSRCPDGST
 CCELP SGKYGCCPMPNATCCSDHLHCCPQDTVCDLIQSKCLSKENATD LLLTKLPA
 HTVGDVKCDMEVSCPDGYTCCRLQSGAWGCCPFTQAVCCEDHIHCCPAGFTCDT
 QKGTCEQGPHQVPWMEKAPAHLSLPDPQALKRDVPCDNVSSCPSSDTCCQLTSG
 EWGCCPIPEAVCCSDHQHCCPQGYTCVAEGQCQRGSEIVAGLEKMPARRASLSHP
 RDIGCDQHTSCPVGQTCCPSLGGSWACCQLPHAVCCEDRQHCCPAGYTCNVKAR
 SCEKEVVSQAQPATFLARSPHVGVKDVCEGEGHFCHDNQTCCRDNRQGWACCPYR
 QGVCCADRRHCCPAGFRCAARGTKCLRREAPRWDAPLRDPALRQLL

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

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

GENE INFORMATION

Gene Name

GRN granulin [Homo sapiens]

Official Symbol

GRN

Synonyms

GRN; granulin; granulins; CLN11; PCDGF; PGRN; progranulin; acrogranin;
 proepithelin; granulin-epithelin; PC cell-derived growth factor; GEP; GP88; PEPI;

Gene ID

2896

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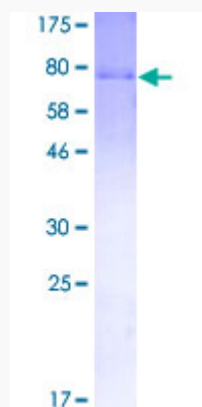
mRNA Refseq [NM_002087](#)

Protein Refseq [NP_002078](#)

MIM [138945](#)

UniProt ID [P28799](#)

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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