

Product datasheet for **TP302139M**

Granulin (GRN) (NM_002087) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human granulin (GRN), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA >RC202139 protein sequence

Clone or AA **Red**=Cloning site **Green**=Tags(s)

Sequence:

MWTLVSWVALTAGLVAGTRCPDGGQFCPVACCLDPGGASYSCCRPLLDKWPTTLRHLGGPCQVDAHCSAG
HSCIFTVSGTSSCCPFPEAVACGDGHHCCPRGFHCSADGRSCFQSRGNNNSVGAIQCPDSQFECPDFSTCC
VMVDGSWGCCPMPQASCCEDRVHCCPHGAFCDLVHTRCITPTGTHPLAKKLPARTNRAVALSSSSVMCPD
ARSRCPDGSTCCCELPSGKYGCCPMPNATCCSDHLHCCPQDTVCDLIQSKLSKENATDILLTKLPAHTVG
DVKCDMEVSCPDPGYTCCRLQSGAWGCCPFTQAVCCEDHIHCCPAGFTCDTQKGTCEQGPVWMEKAPA
HLSLPDPQALKRDVPCDNVSSCPSSDTCCQLTSGEWGCCPIPEAVCCSDHQHCCPQGYTCVAEGQCQRGS
EIVAGLEKMPARRASLSHPRDIGCDQHTSCPVGQTCPPSLGGSWACCQLPHAVCCEDRQHCCPAGYTCNV
KARSCEKEVSAQPATFLARSPHVGVKDVCEGEGHFCHDNQTCCRDNRQGWACCPYRQGVCCADRRHCCP
AGFRCAARGTKCLRREAPRWDAPLRDPALRQLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 61.7 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

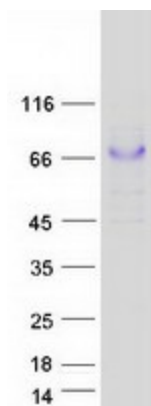
Storage: Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002078
Locus ID:	2896
UniProt ID:	P28799
RefSeq Size:	2323
Cytogenetics:	17q21.31
RefSeq ORF:	1779
Synonyms:	CLN11; GEP; GP88; PCDGF; PEPI; PGRN
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]
Protein Families:	Druggable Genome, Secreted Protein

Product images:



Coomassie blue staining of purified GRN protein (Cat# [TP302139]). The protein was produced from HEK293T cells transfected with GRN cDNA clone (Cat# [RC202139]) using MegaTran 2.0 (Cat# [TT210002]).