Bioactive HuPro®

GRN (Human) Recombinant Protein

Catalog # P9026 Size 2 x 10 ug

Specification

Product Description	Human GRN (P28799, 1 a.a. - 593 a.a.) partial-length recombinant protein expressed in HEK293 cell.
Host	Human
Theoretical MW (kDa)	74
Form	Lyophilized
Preparation Method	HEK 293T cell expression system
Purity	> 98% by SDS PAGE
Activity	Activates phospho-ERK1/2 in neuronal mouse P19 cells and regulates food intake and body weight.
Storage Buffer	1xPBS.
Storage Instruction	Store at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles.

Applications

- Functional Study
- SDS-PAGE

Gene Info — GRN

Entrez GeneID	2896
Protein Accession#	P28799
Gene Name	GRN

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Gene Alias	GEP, GP88, PCDGF, PEPI, PGRN
Gene Description	granulin
Omim ID	138945 607485
Gene Ontology	Hyperlink
Gene 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 pre cursor protein, progranulin, is also called proepithelin and PC cell-derived growth factor. Cleavag e of the signal peptide produces mature granulin which can be further cleaved into a variety of acti ve, 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 memb ers are important in normal development, wound healing, and tumorigenesis. [provided by RefSe q
Other Designations	PC cell-derived growth factor|acrogranin|granulin-epithelin|proepithelin|progranulin

Disease

- Alzheimer disease
- Amyotrophic lateral sclerosis
- Aphasia
- Atrophy
- Cardiovascular Diseases
- Cognition
- Dementia
- Diabetes Mellitus
- Edema
- Frontotemporal Dementia
- Frontotemporal Lobar Degeneration
- Genetic Predisposition to Disease
- Memory
- Memory Disorders

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- Motor Neuron Disease
- Movement Disorders
- Neurodegenerative Diseases
- Neuropsychological Tests
- Parkinson disease
- Sclerosis
- Supranuclear Palsy

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