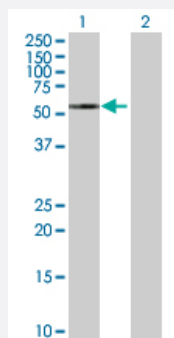


GRN 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00002896-T01

Size 100 uL

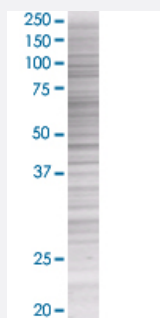
Applications



Western Blot

Lane 1: GRN transfected lysate (63.5 KDa)

Lane 2: Non-transfected lysate.



SDS-PAGE Gel

GRN transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-GRN full-length

Host Human

Theoretical MW (kDa) 65.34

Interspecies Antigen Sequence Rat (75)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-GRN antibody ([H00002896-B01](#)) by Western Blots.

Western Blot

Lane 1: GRN transfected lysate (63.5 KDa)

Lane 2: Non-transfected lysate.

SDS-PAGE Gel

GRN transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

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

Applications

- Western Blot

Gene Info — GRN

Entrez GeneID

[2896](#)

GeneBank Accession#

[NM_002087](#)

Protein Accession#

[NP_002078](#)

Gene Name

GRN

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 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]

Other Designations

PC cell-derived growth factor|acroganin|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](#)
- [Motor Neuron Disease](#)
- [Movement Disorders](#)
- [Neurodegenerative Diseases](#)
- [Neuropsychological Tests](#)
- [Parkinson disease](#)
- [Sclerosis](#)
- [Supranuclear Palsy](#)