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Datasheet for ABIN5564460

Granulin Protein (GRN) (AA 1-602)

Overview

Quantity:	10 µg
Target:	Granulin (GRN)
Protein Characteristics:	AA 1-602
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Cross-Reactivity:	Rat (Rattus)
Characteristics:	Signal peptide and rat progranulin (aa 1-602) is untagged. Reflects the native sequence with no additional aa.
Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	<0.01EU/µg purified protein (LAL test, Lonza).

Target Details

Target:	Granulin (GRN)
Alternative Name:	Progranulin (GRN Products)
Target Type:	Viral Protein
Background:	Progranulin (PGRN) is a widely expressed pluripotent growth factor which plays a role in

Target Details

processes such as development, wound repair and inflammation by activating signaling cascades that control cell cycle progression and cell motility. Its function in the central nervous system is of interest, as mutations in the PGRN gene were found in cases of frontotemporal degeneration (FTLD). In addition, PGRN has also been linked to tumorigenesis. Progranulin is a biomarker for FTLD, other types of Alzheimer's Disease (AD) and potentially for MCI (Mild Cognitive Impairment). Additionally, PGRN is described as a new ligand of TNF receptors and a potential therapeutic against inflammatory disease like arthritis.

Molecular Weight: ~73kDa (SDS-PAGE)

NCBI Accession: [NP_058809](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Solid

Concentration: Lot specific

Buffer: Lyophilized. Contains PBS.

Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Stable for at least 6 months after receipt when stored at -20°C.

Expiry Date: 6 months