

[Go to Product page](#)

Datasheet for ABIN5564454

Granulin Protein (GRN) (AA 1-593) (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Target:	Granulin (GRN)
Protein Characteristics:	AA 1-593
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Granulin protein is labelled with DYKDDDDK Tag.
Application:	SDS-PAGE (SDS)

Product Details

Cross-Reactivity:	Human
Characteristics:	Signal peptide and human progranulin (aa 1-593) are fused at the C-terminus to a FLAG®-tag.
Purity:	>98 % (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

Target Details

Background: Progranulin (PGRN) is a widely expressed pluripotent growth factor which plays a role in 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: ~76kDa (SDS-PAGE)

UniProt: [P28799](#)

Application Details

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

Comment: Activates ERK phosphorylation in THP-1 and MCF10A cells and induces cell migration of THP-1 monocytic leukemia cells.

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