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Datasheet for ABIN1344102

Granulin Protein (GRN) (AA 1-602) (DYKDDDDK Tag)

Overview

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|-------------------------------|--|
| Quantity: | 10 µg |
| Target: | Granulin (GRN) |
| Protein Characteristics: | AA 1-602 |
| Origin: | Rat |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This Granulin protein is labelled with DYKDDDDK Tag. |
| Application: | SDS-PAGE (SDS) |

Product Details

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|-------------------|---|
| Cross-Reactivity: | Rat (Rattus) |
| Characteristics: | Signal peptide and rat progranulin (aa 1-602) are fused at the C-terminus to a FLAG®-tag. |
| Purity: | >95 % (SDS-PAGE) |
| Sterility: | 0.2 µm filtered |
| Endotoxin Level: | <0.1EU/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: ~65kDa (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: Lyophilized

Concentration: Lot specific

Buffer: Lyophilized from 0.2µm-filtered solution in PBS.

Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Stable for at least 1 year after receipt when stored at -20°C.

Expiry Date: 12 months