Recombinant Mouse Grn

Cat. No. Grn-467M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Signal peptide and mouse progranulin (aa 1-589) is untagged. Reflects the native sequence with no additional aa.
Species	Mouse
Source	HEK293
ProteinLength	1-589 a.a.
Description	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.
Form	Lyophilized from 0.2μm-filtered solution in PBS, pH 7.2.
Molecular Mass	~65kDa (SDS-PAGE)
Purity	Silver staining was used for visualization.

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Stability	Working aliquots are stable for up to 3 months when stored at -20°C.
Storage	Short Term Storage: +4°C; Long Term Storage: -20°C. After opening, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	Grn granulin [Mus musculus]
Official Symbol	Grn
Synonyms	GRN; granulin; granulins; PEPI; PCDGF; progranulin; acrogranulin; proepithelin; PC cell-derived growth factor; epithelin;
Gene ID	14824
mRNA Refseq	NM_008175
Protein Refseq	NP_032201

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