

Grn

Recombinant Mouse Progranulin

Catalog No.	CRM033A CRM033B	Quantity:	10 µg 50 µg
Alternate Names:	Pgrn, epithelin		
Description:	<p>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.</p> <p>Recombinant Mouse Progranulin is composed of a signal peptide and mouse progranulin (aa 1-589) is untagged. Reflects the native sequence with no additional aa.</p>		
Concentration:	<p>After reconstitution: 10 µg size: 0.1 mg/ml 50 µg size: 1 mg/ml</p>		
Gene ID:	14824		
Protein Accession No:	P28798		
Source:	HEK 293 cells		
Molecular Weight:	~70 kDa (glycosylated) by SDS-PAGE		
Formulation:	Lyophilized protein containing PBS.		
Purity:	≥95% (SDS-PAGE)		
Endotoxin Level:	<0.01 EU/µg purified protein as determined by LAL test (Lonza).		
Reconstitution:	10 µg size: Reconstitute with 100 µl sterile water. 50 µg size: Reconstitute with 50 µl sterile water.		
Storage & Stability:	Store at 4°C upon arrival and at -20°C for long term. Lyophilized product is stable for at least 6 months after receipt when stored at -20°C. After reconstitution, prepare aliquots and store at -20°C. PBS containing at least 0.1% BSA or HSA should be used for further dilutions. Avoid repeated freeze-thaw cycles.		

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