

Progranulin Active Protein | PGRN active protein

Recombinant Human Progranulin

CATALOG # AAA38550	HOST HEK 293 cells
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PRODUCT SYNONYMS

Progranulin; Recombinant Human Progranulin; PGRN Human; Progranulin Human Recombinant; GRN; PGRN; granulin; Acrogranin; propitelin; PC cell derived growth Factor; GEP; GP88; PEPI; PCDGF; PGRN active protein

PRODUCT SPECIFICATIONS

Host	HEK 293 cells
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The protein solution contains 1xPBS. Sterile Filtered clear solution.
Concentration	100ug/200ul (varies by lot)
Sequence Length	593
Biological Activity	Activates ERK phosphorylation in THP-1 and MCF10A cells and induces cell migration of THP-1 monocytic leukemia cells.
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for PGRN active protein	Description: Progranulin Human Recombinant fused to DYKDDDDK at C-terminus produced in HEK is a single, glycosylated, polypeptide chain containing 1-593 amino acids and having a molecular mass of 70kDa. The Progranulin is purified by standard chromatographic techniques. Introduction: A 88-kDa progranulin, also called proepithelin and PC cell-derived growth factor, is a single precursor protein of granulins which are a family of secreted, glycosylated peptides that are cleaved from a single precursor protein with 7.5 repeats of a highly conserved 12-cysteine granulin/epithelin motif. Granulins are a variety of active, 6 kDa peptides and named granulin A (epithelin 1), granulin B (epithelin 2), granulin C, etc. Both the peptides and intact progranulin protein regulate cell growth. However, different members of the granulin protein family may act as inhibitors, stimulators, or have dual actions on cell growth. Granulin family members are important in normal development, wound healing, and tumorigenesis.
Product Categories/Family for PGRN active protein	Cytokines and Growth Factors ; Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504151
NCBI GeneID	2896
NCBI Accession #	NP_002078.1
NCBI GenBank Nucleotide #	NM_002087.3
UniProt Accession #	P28799 ; P23781 ; P23782 ; P23783 ; P23784 ; Q53HQ8 ; Q53Y88 ; Q540U8 ; Q9BWE7 ; Q9H8S1 ; Q9UCH0 ; D3DX55

Molecular Weight	44,132 Da
NCBI Official Full Name	granulins
NCBI Official Synonym Full Names	granulin
NCBI Official Symbol	GRN
NCBI Official Synonym Symbols	GEP; GP88; PEPI; PGRN; CLN11; PCDGF
NCBI Protein Information	granulins; PC cell-derived growth factor; acrogranin; granulin-epithelin; proepithelin; progranulin
UniProt Protein Name	Granulins
UniProt Gene Name	GRN
UniProt Synonym Gene Names	PEPI; GP88; Glycoprotein 88
UniProt Entry Name	GRN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hek-293-cells-pgrn-active-protein/progranulin/38550>