

Human Progranulin, GRN ELISA Kit | GRN elisa kit

Human Progranulin, GRN Primacu ELISA Kit

CATALOG #
AAA124184

REACTIVITY
Human

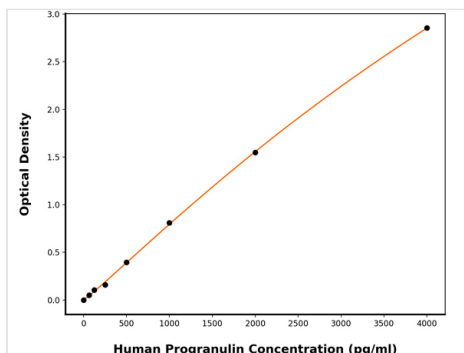
PRODUCT SYNONYMS

Progranulin; GRN; Human Progranulin; GRN Primacu ELISA Kit; GRN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernates
Detection Range	62.5-4000pg/mL
Sensitivity	13.77pg/mL
Standard Solution	40ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for GRN elisa kit	Granulins 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. The precursor protein, progranulin, is also called Proepithelin and PC cell-derived growth factor. Cleavage of the signal peptide produces mature granulin which can be further cleaved into a variety of active, 6 kDa peptides. These smaller cleavage products are named granulin A, granulin B, granulin C, etc. Epithelins 1 and 2 are synonymous with granulins A and B, respectively. Both the peptides and intact granulin 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. Granulins have possible cytokine-like activity. They may play a role in inflammation, wound repair, and tissue remodeling. Granulin-4 promotes proliferation of the epithelial cell line A431 in culture while granulin-3 acts as an antagonist to granulin-4, inhibiting the growth. Granulin expression inhibited Tat transactivation, and tethering experiments showed that this effect was due, at least in part, to a direct action on cyclin T1 in the absence of Tat.
Product Categories/Family for GRN elisa kit	Primacu ELISA Kit; Cancer; Immunology; Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	183613
NCBI GeneID	2896
UniProt Accession #	P28799; P23781; P23782; P23783; P23784; Q53Y88; Q540U8; Q9BWE7; Q9UCH0; D3DX55
Molecular Weight	63,544 Da
NCBI Official Full Name	granulin
NCBI Official Synonym Full Names	granulin
NCBI Official Symbol	GRN
NCBI Official Synonym Symbols	GEP; GP88; PEPI; PGRN; CLN11; PCDGF
NCBI Protein Information	granulins; acrogranin; progranulin; proepithelin; granulin-epithelin; PC cell-derived growth factor
UniProt Protein Name	Granulins
UniProt Gene Name	GRN
UniProt Synonym Gene Names	PEPI
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.