

Mouse Progranulin ELISA Kit | GRN elisa kit

Mouse Progranulin PicoKine Fast ELISA Kit

CATALOG #
AAA125357

REACTIVITY
Mouse

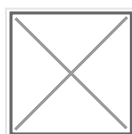
PRODUCT SYNONYMS

Progranulin; Mouse Progranulin PicoKine Fast ELISA Kit; mouse Progranulin; Granulins; PC cell-derived growth factor; PCDGF; Proepithelin; PEPI; Acrogranin; Granulin-1; Granulin-2; Granulin-3; Granulin-4; Granulin-5; Granulin-6; Granulin-7; Grn; GRN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Grn
Sequence Length	589
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, edta)
Detection Range	0.78 ng/ml - 50 ng/ml
Sensitivity	<10 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GRN elisa kit	Principle of the Assay: The Picokine™ Mouse Grn Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Grn with a 96-well strip plate that is pre-coated with antibody specific for Grn. The detection antibody is a biotinylated antibody specific for Grn. The capture antibody is monoclonal antibody from rat and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Mouse Grn with immunogen: Expression system for standard: NS0; Immunogen sequence: T18-L589. The kit is analytically validated with ready to use reagents. To measure Mouse Grn, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Mouse Grn in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Grn in the sample. Background/Introduction: Granulin, also known as Proepithelin (PEPI) is a protein that in humans is encoded by the GRN gene. This gene is mapped to 17q21.31. 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 88 kDa 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.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	585216
NCBI GeneID	14824
UniProt Accession #	P28798
NCBI Official Full Name	Progranulin
NCBI Official Synonym Full Names	granulin
NCBI Official Symbol	Grn
NCBI Official Synonym Symbols	GP88; PEPI; Pgrn; PCDGF; epithelin
NCBI Protein Information	progranulin
UniProt Protein Name	Granulins
UniProt Gene Name	Grn
UniProt Synonym Gene Names	PCDGF; PEPI
UniProt Entry Name	GRN_MOUSE

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.