

Human ProGRP ELISA Kit | ProGRP elisa kit

Human ProGRP (Pro-Gastrin Releasing Peptide) ELISA Kit

CATALOG #
AAA163483

REACTIVITY
Human

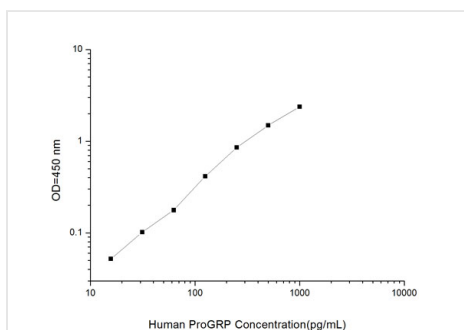
PRODUCT SYNONYMS

ProGRP; Human ProGRP (Pro-Gastrin Releasing Peptide) ELISA Kit; ProGRP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human ProGRP in samples. No significant cross-reactivity or interference between Human ProGRP and analogues was observed.
Sequence Length	142
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	15.63-1000pg/mL
Sensitivity	9.38pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human ProGRP were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human ProGRP were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ProGRP elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human ProGRP. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human ProGRP and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human ProGRP, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The OD value is proportional to the concentration of Human ProGRP. You can calculate the concentration of Human ProGRP in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human ProGRP concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	578832452
NCBI GeneID	2922
NCBI Accession #	XP_006722505.1
NCBI GenBank Nucleotide #	XM_006722442.1
UniProt Accession #	P07492; P07491; P81553; Q14454; Q53YA0; Q9BSY7
Molecular Weight	15,533 Da
NCBI Official Full Name	gastrin-releasing peptide isoform X1
NCBI Official Synonym Full Names	gastrin-releasing peptide
NCBI Official Symbol	GRP
NCBI Official Synonym Symbols	BN; GRP-10; proGRP; preproGRP
NCBI Protein Information	gastrin-releasing peptide; bombesin; neuromedin C; pre-progastrin releasing peptide; prepro-GRP
UniProt Protein Name	Gastrin-releasing peptide
UniProt Gene Name	GRP
UniProt Synonym Gene Names	GRP
UniProt Entry Name	GRP_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.