

Human Guanylate Cyclase Activator 2B (GUCA2B) ELISA Kit | GUCA2B elisa kit

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CATALOG #
AAA140346

REACTIVITY
Human

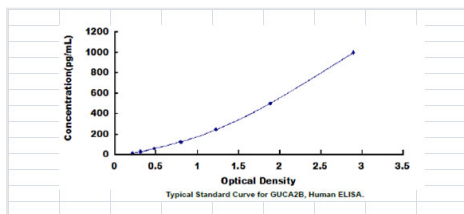
PRODUCT SYNONYMS

Guanylate Cyclase Activator 2B (GUCA2B); Human Guanylate Cyclase Activator 2B (GUCA2B) ELISA Kit; UGN; GCAP-II; Uroguanylin; Guanylate cyclase C-activating peptide II; GUCA2B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GUCA2B. No significant cross-reactivity or interference between GUCA2B and analogues was observed.
Sequence Length	113
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	5.6pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GUCA2B were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GUCA2B were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GUCA2B elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GUCA2B in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to GUCA2B. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to GUCA2B. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain GUCA2B, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of GUCA2B in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for GUCA2B elisa kit	Immune molecule

NCBI AND UNIPROT INFORMATION

NCBI GI #	521025864
UniProt Accession #	O13009
Molecular Weight	12,044 Da
NCBI Official Full Name	Guanylate cyclase activator 2B
UniProt Protein Name	Guanylate cyclase activator 2B
UniProt Gene Name	GUCA2B
UniProt Synonym Gene Names	UGN
UniProt Entry Name	GUC2B_PIG

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/human-elisa-kits/guanylate-cyclase-activator-2b-guca2b/140346>