

Human Neuroendocrine secretory protein 55 (GNAS) ELISA Kit | GNAS elisa kit

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CATALOG #
AAA246452

REACTIVITY
Human

PRODUCT SYNONYMS

Neuroendocrine secretory protein 55 (GNAS); Human Neuroendocrine secretory protein 55 (GNAS) ELISA Kit; GNAS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GNAS elisa kit	Intended Uses: This GNAS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GNAS. This ELISA kit for research use only! Principle of the Assay GNAS ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GNAS antibody and an GNAS-HRP conjugate. The assay sample and buffer are incubated together with GNAS-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GNAS concentration since GNAS from samples and GNAS-HRP conjugate compete for the anti-GNAS antibody binding site. Since the number of sites is limited, as more sites are occupied by GNAS from the sample, fewer sites are left to bind GNAS-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GNAS concentration in each sample is interpolated from this standard curve.
Product Categories/Family for GNAS elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	7532780
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NCBI GeneID	2778
Molecular Weight	111,025 Da
NCBI Official Full Name	neuroendocrine secretory protein 55
NCBI Official Synonym Full Names	GNAS complex locus
NCBI Official Symbol	GNAS
NCBI Official Synonym Symbols	AHO; GSA; GSP; POH; GPSA; NESP; GNAS1; PHP1A; PHP1B; PHP1C; C20orf45
NCBI Protein Information	protein ALEX; protein GNAS; protein NESP55; secretogranin VI; extra large alphas protein; neuroendocrine secretory protein; guanine nucleotide regulatory protein; alternative gene product encoded by XL-exon; adenylate cyclase-stimulating G alpha protein; guanine nucleotide-binding protein G(s) subunit alpha isoforms XLas; guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1
UniProt Protein Name	Neuroendocrine secretory protein 55
UniProt Gene Name	GNAS
UniProt Synonym Gene Names	GNAS1; NESP55
UniProt Entry Name	GNAS3_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/neuroendocrine-secretory-protein-55-gnas/246452>