

Human Cyclic nucleotide gated cation channel Alpha 3 (CNGA3) ELISA Kit | CNGA3 elisa kit

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CATALOG #
AAA244937

REACTIVITY
Human

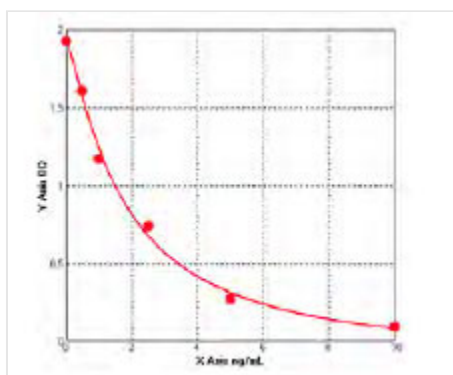
PRODUCT SYNONYMS

Cyclic nucleotide gated cation channel Alpha 3 (CNGA3); Human Cyclic nucleotide gated cation channel Alpha 3 (CNGA3) ELISA Kit; CNGA3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CNGA3 elisa kit

Intended Uses: This CMalphaHc6 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CMalphaHc6. This ELISA kit for research use only!

Principle of the Assay: CMalphaHc6 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CMalphaHc6 antibody and an CMalpha Hc6-HRP conjugate. The assay sample and buffer are incubated together with CMalphaHc6-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 CMalphaHc6 concentration since CMalphaHc6 from samples and CMalpha Hc6-HRP conjugate compete for the anti-CMalphaHc6 antibody binding site. Since the number of sites is limited, as more sites are occupied by CMalpha Hc6 from the sample, fewer sites are left to bind CMalphaHc6-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CMalphaHc6 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	120433600
NCBI GeneID	1261
NCBI Accession #	NP_001073347.1
NCBI GenBank Nucleotide #	NM_001079878.1
Molecular Weight	76,903 Da
NCBI Official Full Name	cyclic nucleotide-gated cation channel alpha-3 isoform 2
NCBI Official Synonym Full Names	cyclic nucleotide gated channel alpha 3
NCBI Official Symbol	CNGA3
NCBI Official Synonym Symbols	CNG3; ACHM2; CCNC1; CCNCa; CNCG3; CCNCalpha
NCBI Protein Information	cyclic nucleotide-gated cation channel alpha-3; CNG-3; CNG channel alpha-3; cyclic nucleotide-gated channel alpha-3; cone photoreceptor cGMP-gated channel alpha subunit; cone photoreceptor cGMP-gated channel subunit alpha
UniProt Protein Name	Cyclic nucleotide-gated cation channel alpha-3
UniProt Gene Name	CNGA3
UniProt Synonym Gene Names	CNCG3; CNG channel alpha-3; CNG-3; CNG3
UniProt Entry Name	CNGA3_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.