

Human Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 4 ELISA Kit | HCN4 elisa kit

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CATALOG #
AAA190614

REACTIVITY
Human

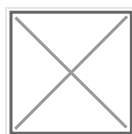
PRODUCT SYNONYMS

Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 4; Human Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 4 ELISA Kit; HCN4; HCN4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural human HCN4. No significant cross-reactivity or interference was observed.
Sequence Length	1203
Assay Type	Competitive
Detection Range	0.312-20 ng/mL
Sensitivity	0.098ng/ml
Intra-Assay CV	<=4.7%
Inter-Assay CV	<=9.6%
Recovery	95%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HCN4 elisa kit

Intended Uses||This immunoassay kit allows for the in vitro quantitative determination of human potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 4,HCN4 concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to HCN4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for HCN4 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain HCN4, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of HCN4 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885407
NCBI GeneID	10021
NCBI Accession #	NP_005468.1
NCBI GenBank Nucleotide #	NM_005477.2
UniProt Accession #	Q9Y3Q4; Q9UMQ7
Molecular Weight	129,042 Da
NCBI Official Full Name	potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 4
NCBI Official Synonym Full Names	hyperpolarization activated cyclic nucleotide gated potassium channel 4
NCBI Official Symbol	HCN4
NCBI Official Synonym Symbols	SSS2
NCBI Protein Information	potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 4
UniProt Protein Name	Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 4
UniProt Gene Name	HCN4
UniProt Entry Name	HCN4_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.

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Online datasheet: <https://stage.aaabiotech.com/hcn4-human-elisa-kits/potassium-sodium-hyperpolarization-activated-cyclic-nucleotide-gated-channel-4/190614>