

Mouse Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 4 ELISA Kit | Hcn4 elisa kit

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CATALOG # AAA56185	REACTIVITY Mouse
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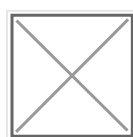
PRODUCT SYNONYMS

Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 4; Mouse Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 4 ELISA Kit; Hcn4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay recognizes recombinant and natural mouse Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 4. No significant cross-reactivity or interference was observed.
Sequence Length	1203
Assay Type	Sandwich
Detection Range	0.156-10 ng/ml
Sensitivity	0.078 ng/mL
Intra-Assay CV	<=9.1%
Inter-Assay CV	<=11.4%
Recovery	97%
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

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 4 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 Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 4, 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 Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 4 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	29840776
NCBI GeneID	330953
UniProt Accession #	O70507
Molecular Weight	127,414 Da
NCBI Official Full Name	Potassium/sodium hyperpolarization-activated cyclic nucleotide-gated channel 4
NCBI Official Synonym Full Names	hyperpolarization-activated, cyclic nucleotide-gated K+ 4
NCBI Official Symbol	Hcn4
NCBI Official Synonym Symbols	Hcn3; Bcng3
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 Synonym Gene Names	Bcng3; BCNG-3
UniProt Entry Name	HCN4_MOUSE

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-mouse-elisa-kits/potassium-sodium-hyperpolarization-activated-cyclic-nucleotide-gated-channel-4/56185>