Human Amiloride Sensitive Sodium Channel Subunit Gamma (SCNN1g) ELISA Kit | SCNN1g elisa kit

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CATALOG #	REACTIVITY
AAA66019	**Human**

PRODUCT SYNONYMS

Amiloride Sensitive Sodium Channel Subunit Gamma (SCNN1g); Human Amiloride Sensitive Sodium Channel Subunit Gamma (SCNN1g) ELISA Kit; ENaCg; ENaCgamma; PHA1; SCNEG; Sodium Channel; Nonvoltage-Gated 1; Alpha; Epithelial Na(+) channel subunit gamma; Nonvoltage-gated sodium channel 1 subunit gamma; SCNN1g elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SCNN1g. No significant cross-reactivity or interference between SCNN1g and analogues was observed.
Sequence Length	649
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.113ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SCNN1g 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 SCNN1g were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SCNN1g elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of SCNN1g in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SCNN1g. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SCNN1g. 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 SCNN1g, 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 SCNN1g in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	42476333
NCBI GeneID	6340
NCBI Accession #	NP_001030.2
NCBI GenBank Nucleotide #	NM_001039.3
UniProt Accession #	P51170; P78437; Q6PCC2; Q93023; Q93024; Q93025; Q93026; Q93027; Q96TD2
Molecular Weight	74,270 Da
NCBI Official Full Name	amiloride-sensitive sodium channel subunit gamma
NCBI Official Synonym Full Names	sodium channel epithelial 1 gamma subunit
NCBI Official Symbol	SCNN1G
NCBI Official Synonym Symbols	PHA1; BESC3; ENaCg; SCNEG; ENaCgamma
NCBI Protein Information	amiloride-sensitive sodium channel subunit gamma
UniProt Protein Name	Amiloride-sensitive sodium channel subunit gamma
UniProt Gene Name	**SCNN1G**
UniProt Synonym Gene Names	ENaCG; Gamma-ENaC

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/amiloride-sensitive-sodium-channel-subunit-gamma-scnn1g/66019