

Human Neuropeptide S Receptor (NPSR) ELISA Kit | NPSR elisa kit

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CATALOG #
AAA63347

REACTIVITY
Human

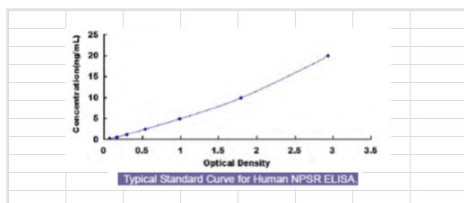
PRODUCT SYNONYMS

Neuropeptide S Receptor (NPSR); Human Neuropeptide S Receptor (NPSR) ELISA Kit; ASRT2; GPR154; GPRA; NPSR1; PGR14; VRR1; G Protein-Coupled Receptor For Asthma Susceptibility; G Protein-Coupled Receptor 154; G-protein coupled receptor PGR14; NPSR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of NPSR. No significant cross-reactivity or interference between NPSR and analogues was observed.
Sequence Length	366
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.108ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NPSR 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 NPSR 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 NPSR elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of NPSR 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 NPSR. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NPSR. 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 NPSR, 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 NPSR in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	665821295
NCBI GeneID	387129
NCBI Accession #	NP_001287862.1
NCBI GenBank Nucleotide #	NM_001300933.1
UniProt Accession #	Q6W5P4; Q2XP58; Q56H76; Q56H77; Q56H78; Q6JSL4; Q6JSL5; Q6JSL6; Q6JSL7; Q6JSL8; Q6W5P3; A2RTZ4
Molecular Weight	10,612 Da
NCBI Official Full Name	neuropeptide S receptor B short
NCBI Official Synonym Full Names	neuropeptide S receptor 1
NCBI Official Symbol	NPSR1
NCBI Official Synonym Symbols	GPRA; NPSR; VRR1; ASRT2; PGR14; GPR154
NCBI Protein Information	neuropeptide S receptor
UniProt Protein Name	Neuropeptide S receptor
UniProt Gene Name	NPSR1
UniProt Synonym Gene Names	GPR154; GPRA; PGR14

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.