

Rat Calcium Sensing Receptor ELISA Kit | CASR elisa kit

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CATALOG #
AAA98885

REACTIVITY
Rat

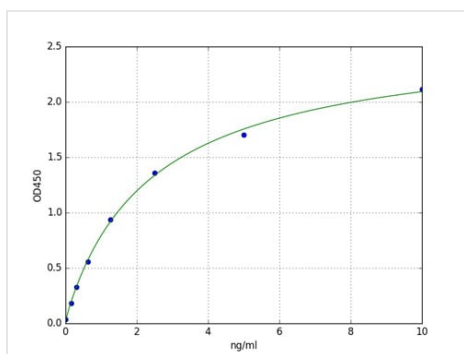
PRODUCT SYNONYMS

Calcium Sensing Receptor; Rat Calcium Sensing Receptor ELISA Kit; CASR/Extracellular calcium-sensing receptor/CaSR/Parathyroid cell calcium-sensing receptor/PCaR1/GPRC2A/CAR/EIG8/FHH/FIH/HHC; HHC1/NSHPT; CASR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	295
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat CASR ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.087	0.121	0.167	0.274	0.441	0.891	1.415	1.757

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CASR elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Rat CASR antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat CASR antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat CASR amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat CASR can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	86559371
NCBI GeneID	846
Molecular Weight	121,772 Da
NCBI Official Full Name	calcium sensing receptor, partial
NCBI Official Synonym Full Names	calcium sensing receptor
NCBI Official Symbol	CASR
NCBI Official Synonym Symbols	CAR; FHH; FIH; HHC; EIG8; HHC1; NSHPT; PCAR1; GPRC2A; HYPOC1
NCBI Protein Information	extracellular calcium-sensing receptor
UniProt Protein Name	Extracellular calcium-sensing receptor
UniProt Gene Name	CASR
UniProt Synonym Gene Names	GPRC2A; PCAR1; CaSR; PCaR1
UniProt Entry Name	CASR_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/casr-rat-elisa-kits/calcium-sensing-receptor/98885>