

Human Protein Phosphatase 3, Regulatory Subunit 1 ELISA Kit | PPP3R1 elisa kit

Human Protein Phosphatase 3, Regulatory Subunit 1 (PPP3R1) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA189964

REACTIVITY
Human

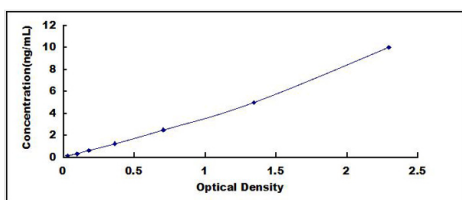
PRODUCT SYNONYMS

Protein Phosphatase 3; Regulatory Subunit 1; Human Protein Phosphatase 3; Regulatory Subunit 1 (PPP3R1) (Sandwich ELISA) ELISA Kit; CALNB1; CNB; CNB1; Calcineurin B Type I; Protein phosphatase 2B regulatory subunit 1; Protein phosphatase 3 regulatory subunit B alpha isoform 1; ELISA Kit for Protein Phosphatase 3; Regulatory Subunit 1 (PPP3R1); PPP3R1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Protein Phosphatase 3, Regulatory Subunit 1 (PPP3R1). No significant cross-reactivity or interference between Protein Phosphatase 3, Regulatory Subunit 1 (PPP3R1) and analogues was observed. Reactive with Human PPP3R1 / Protein Phosphatase 3, Regulatory Subunit 1
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.062ng/mL
Detection Method	Colormetric
Assay Precision	Intra-Assay: CV<10%, Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

Typical Standard Curve for PPP3R1 ELISA (Sandwich)

ADDITIONAL INFORMATION

Related Product Information for PPP3R1 elisa kit	Principle of the Assay The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Protein Phosphatase 3, Regulatory Subunit 1 (PPP3R1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Protein Phosphatase 3, Regulatory Subunit 1 (PPP3R1). 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 Protein Phosphatase 3, Regulatory Subunit 1 (PPP3R1), 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 Protein Phosphatase 3, Regulatory Subunit 1 (PPP3R1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PPP3R1 elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	52000904
NCBI GeneID	5534
UniProt Accession #	P63098; P06705; P15117; Q08044; Q53SL0; B2RC10; B5MDU4
Molecular Weight	170
NCBI Official Full Name	Calcineurin subunit B type 1
NCBI Official Synonym Full Names	protein phosphatase 3, regulatory subunit B, alpha
NCBI Official Symbol	PPP3R1
NCBI Official Synonym Symbols	CNB; CNB1; CALNB1
NCBI Protein Information	calcineurin subunit B type 1; calcineurin B, type I (19kDa); protein phosphatase 2B regulatory subunit 1; protein phosphatase 2B regulatory subunit B alpha; protein phosphatase 3 (formerly 2B), regulatory subunit B, alpha isoform; protein phosphatase 3 (f
UniProt Protein Name	Calcineurin subunit B type 1
UniProt Gene Name	PPP3R1
UniProt Synonym Gene Names	CNA2; CNB
UniProt Entry Name	CANB1_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/ppp3r1-human-elisa-kits/protein-phosphatase-3-regulatory-subunit-1/189964>