

Datasheet for ABIN5674918
PDE1C ELISA Kit



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Overview

Quantity:	96 tests
Target:	PDE1C
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	0.156 ng/mL - 10 ng/mL
Minimum Detection Limit:	0.156 ng/mL
Application:	ELISA

Product Details

Sample Type:	Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Sensitivity:	0055 ng/mL
Components:	Pre-coated, ready to use 96-well strip plate Standard (freeze dried) Standard Diluent Detection Reagent A Detection Reagent B Assay Diluent A Assay Diluent B TMB Substhumane

Product Details

Stop Solution
Wash Buffer(30 x concenthumane)
Plate sealer for 96 wells
Instruction manual

Material not included:

1. Microplate reader with $450 \pm 10\text{nm}$ filter.
2. Precision single or multi-channel pipettes and disposable tips.
3. Eppendorf Tubes for diluting samples.
4. Deionized or distilled water.
5. Absorbent paper for blotting the microtiter plate.
6. Container for Wash Solution.

Target Details

Target: PDE1C

Alternative Name: Phosphodiesterase 1C, Calmodulin Dependent (PDE1C) ([PDE1C Products](#))

Background: Alternative name: Hcam3, Cam-PDE 1C, Calcium/calmodulin-dependent 3',5'-cyclic nucleotide phosphodiesterase 1C

Gene ID: 5137

UniProt: [Q14123](#)

Pathways: [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Negative Regulation of Hormone Secretion](#), [cAMP Metabolic Process](#), [G-protein mediated Events](#), [Interaction of EGFR with phospholipase C-gamma](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Assay Time: 1 - 4.5 h

Plate: Pre-coated

Protocol:

1. Prepare all reagents, samples and standards
2. Add 100 μL standard or sample to each well. Incubate 2 hours at 37°C
3. Aspirate and add 100 μL prepared Detection Reagent A. Incubate 1 hour at 37°C
4. Aspirate and wash 3 times
5. Add 100 μL prepared Detection Reagent B. Incubate 1 hour at 37°C
6. Aspirate and wash 5 times

Application Details

7. Add 90µL Substrate Solution. Incubate 15-25 minutes at 37°C
 8. Add 50µL Stop Solution. Read at 450nm immediately.
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Restrictions: For Research Use only

Handling

Storage: 4 °C

Expiry Date: 12 months