Human Parkinson disease 7 domain-containing protein 1 (PDDC1) ELISA Kit

Catalog No: #EK8623

Package Size: #EK8623-1 48T #EK8623-2 96T

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Description

Product Name	Human Parkinson disease 7 domain-containing protein 1 (PDDC1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	FLJ34283; FLJ35497; MGC131881; MGC138350;
Accession No.	Q8NB37
Uniprot	Q8NB37
GeneID	347862;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.31-20 ng/mL

Sensitivity:0.03 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate PDDC1 in samples. An antibody specific for PDDC1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPDDC1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PDDC1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PDDC1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:PDDC1 Belongs to the peptidase C56 family.The PARK7 gene provides instructions for making the DJ-1 protein. Studies indicate that this protein has several functions, although none are fully understood. The DJ-1 protein may help protect cells, particularly brain cells, from oxidative stress. Oxidative stress occurs when unstable molecules called free radicals accumulate to levels that damage or kill cells. Additionally, the protein may serve as a chaperone molecule that helps fold newly produced proteins into the proper 3-dimensional shape and helps refold damaged proteins. Chaperone molecules also assist in delivering selected proteins to proteasomes, the cell machinery that breaks down unwanted molecules. Researchers also suggest that the DJ-1 protein may play a role in activities that produce and process RNA, a chemical cousin of DNA.

Note: This product is for in vitro research use only