

Human Perilipin 4 (PLIN4) ELISA Kit | PLIN4 elisa kit

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CATALOG #
AAA136940

REACTIVITY
Human

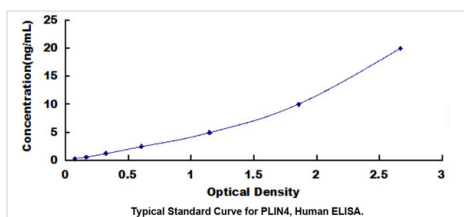
PRODUCT SYNONYMS

Perilipin 4 (PLIN4); Human Perilipin 4 (PLIN4) ELISA Kit; Adipocyte protein S3-12; PLIN4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PLIN4. No significant cross-reactivity or interference between PLIN4 and analogues was observed.
Sequence Length	1357
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.117ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PLIN4 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 PLIN4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLIN4 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PLIN4. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to PLIN4. 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 PLIN4, 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 PLIN4 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PLIN4 in human tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for PLIN4 elisa kit	Metabolic pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	122937195
NCBI GeneID	729359
NCBI Accession #	NP_001073869.1
NCBI GenBank Nucleotide #	NM_001080400.1
UniProt Accession #	Q96Q06; A6NEI2
Molecular Weight	140,675 Da
NCBI Official Full Name	perilipin-4
NCBI Official Synonym Full Names	perilipin 4
NCBI Official Symbol	PLIN4
NCBI Official Synonym Symbols	S3-12; KIAA1881
NCBI Protein Information	perilipin-4
UniProt Protein Name	Perilipin-4
UniProt Gene Name	PLIN4
UniProt Synonym Gene Names	KIAA1881
UniProt Entry Name	PLIN4_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.