

Rat Farnesyl Diphosphate Synthase (FDPS) ELISA Kit | FDPS elisa kit

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CATALOG #
AAA66534

REACTIVITY
Rat

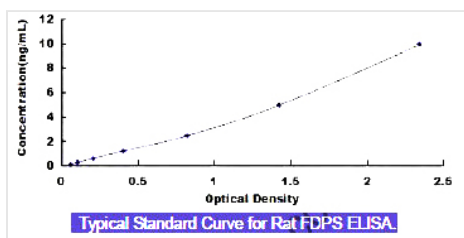
PRODUCT SYNONYMS

Farnesyl Diphosphate Synthase (FDPS); Rat Farnesyl Diphosphate Synthase (FDPS) ELISA Kit; FPS; Farnesyl Pyrophosphate Synthetase; Dimethylallyltransferase; Geranyltransferase; FDPS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of FDPS. No significant cross-reactivity or interference between FDPS and analogues was observed.
Sequence Length	353
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.057ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FDPS 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 FDPS were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FDPS elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of FDPS in rat Tissue homogenates, cell lysates and other biological fluids Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to FDPS. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to FDPS. 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 FDPS, 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 FDPS in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13929206
NCBI GeneID	83791
NCBI Accession #	NP_114028.1
NCBI GenBank Nucleotide #	NM_031840.1
UniProt Accession #	P05369; Q6GT82
Molecular Weight	40,830 Da
NCBI Official Full Name	farnesyl pyrophosphate synthase
NCBI Official Synonym Full Names	farnesyl diphosphate synthase
NCBI Official Symbol	Fdps
NCBI Official Synonym Symbols	FPS; Ac2-125
NCBI Protein Information	farnesyl pyrophosphate synthase
UniProt Protein Name	Farnesyl pyrophosphate synthase
UniProt Gene Name	Fdps
UniProt Synonym Gene Names	FPP synthase; FPS; CR 39

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.