

Human Deoxyhypusine Synthase ELISA Kit | DHPS elisa kit

Human Deoxyhypusine Synthase (DHPS) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA189893

REACTIVITY
Human

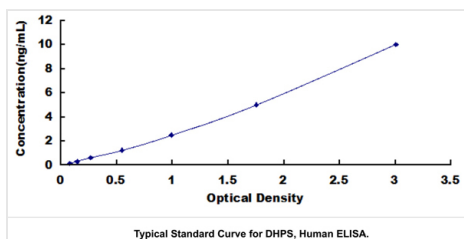
PRODUCT SYNONYMS

Deoxyhypusine Synthase; Human Deoxyhypusine Synthase (DHPS) (Sandwich ELISA) ELISA Kit; MIG13; DHS; DS; Migration-Inducing Gene 13; ELISA Kit for Deoxyhypusine Synthase (DHPS); DHPS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of DHPS. No significant cross-reactivity or interference between DHPS and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DHPS 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 DHPS were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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)

ADDITIONAL INFORMATION

Related Product Information for DHPS elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to DHPS. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to DHPS. 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 DHPS, 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 DHPS 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 DHPS in human tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for DHPS elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503325
NCBI GeneID	1725
NCBI Accession #	NP_001921.1
NCBI GenBank Nucleotide #	NM_001930.3
UniProt Accession #	P49366; Q13184; Q13276; Q9UDG0; A8K688
Molecular Weight	40,971 Da
NCBI Official Full Name	deoxyhypusine synthase isoform a
NCBI Official Synonym Full Names	deoxyhypusine synthase
NCBI Official Symbol	DHPS
NCBI Official Synonym Symbols	DS; DHS; MIG13
NCBI Protein Information	deoxyhypusine synthase; migration-inducing gene 13
UniProt Protein Name	Deoxyhypusine synthase
UniProt Gene Name	DHPS
UniProt Synonym Gene Names	DS; DHS
UniProt Entry Name	DHYS_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.