

Human Pyridoxal/Pyridoxine Vitamin B6-Kinase (PDXK) ELISA Kit | PDXK elisa kit

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CATALOG #
AAA331428

REACTIVITY
Human

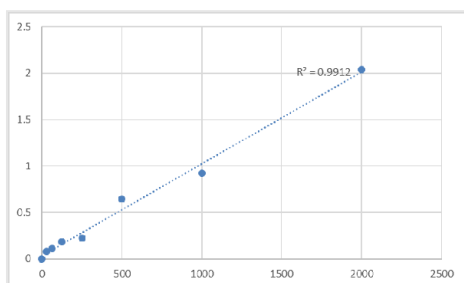
PRODUCT SYNONYMS

Pyridoxal/Pyridoxine Vitamin B6-Kinase (PDXK); Human Pyridoxal/Pyridoxine Vitamin B6-Kinase (PDXK) ELISA Kit; PDXK; C21orf124; C21orf97; DKFZp566A071; FLJ31940; FLJ37311; MGC15873; MGC31754; MGC52346; PKH; PNK; PRED79; pyridoxal kinase; pyridoxamine kinase; pyridoxine kinase; vitamin B6 kinase; PDXK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Pyridoxal/pyridoxine vitamin B6-kinase (PDXK) ELISA Kit has high sensitivity and excellent specificity for detection of Human PDXK. No significant cross-reactivity or interference between Human PDXK and analogues was observed.
Sequence Length	284
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Pyridoxal/pyridoxine vitamin B6-kinase (PDXK) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PDXK elisa kit	Description: This Human Pyridoxal/pyridoxine vitamin B6-kinase (PDXK) ELISA Kit employs a two-site sandwich ELISA to quantitate PDXK in samples. An antibody specific for PDXK has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PDXK present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PDXK 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 PDXK bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Pyridoxal (pyridoxine, vitamin B6) kinase is also known as PDXK. The protein encoded by this gene phosphorylates vitamin B6, a step required for the conversion of vitamin B6 to pyridoxal-5-phosphate, an important cofactor in intermediary metabolism. The encoded protein is cytoplasmic and probably acts as a homodimer. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. Hanna et al. (1997) cloned the cDNA encoding PDXK, which they referred to as PKH. The PDXK gene encodes a 312-amino acid polypeptide, and expression of the cDNA revealed pyridoxal kinase activity. Northern blot analysis revealed that a major 1.5-kb PDXK transcript was expressed in all tissues tested.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13543317
NCBI GeneID	8566
UniProt Accession #	O00764
NCBI Official Full Name	PDXK protein
NCBI Official Synonym Full Names	pyridoxal kinase
NCBI Official Symbol	PDXK
NCBI Official Synonym Symbols	PKH; PNK; PRED79; C21orf97; HEL-S-1a; C21orf124
NCBI Protein Information	pyridoxal kinase
UniProt Protein Name	Pyridoxal kinase
UniProt Gene Name	PDXK
UniProt Synonym Gene Names	C21orf124; C21orf97; PKH; PNK
UniProt Entry Name	PDXK_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/pyridoxal-pyridoxine-vitamin-b6-kinase-pdxk/331428>