

Recombinant Human PDXK Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PDXK-4506H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PDXK MS Standard C13 and N15-labeled recombinant protein (NP_003672) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	35.1 kDa
AA Sequence	MEEECRVLSIQSHVIRGYVGNRAATFPLQVLGFEIDAVNSVQFSNHTGYAHWKGQV LNSDELQELYEGLRLNNMNKYDYVLTGYTRDKSFLAMVVDIVQELKQQNPRLVYVC DPVLGDKWDGEGSMYPEDLLPVYKEKVVPLADIITPNQFEAELLSGRKIHQSQEAL RVMDMLHSMGPDTVITSSDLPSQGGSNYLIVLGSQRRRNPAGSVVMERIRMDIRK VDAVFVGTGDLFAAMLLAWTHKHPNNLKVACEKTVSTLHHVLQRTIQCAKAQAGEG VRPSPMQLELRMVQSKRDIEDPEIVVQATVLTTRTRPLEQKLISEEDLAANDILDYKDD DDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	PDXK pyridoxal kinase [Homo sapiens (human)]
Official Symbol	PDXK
Synonyms	PDXK; pyridoxal (pyridoxine, vitamin B6) kinase; C21orf97, C21orf124, chromosome 21 open reading frame 97, chromosome 21 open reading frame 124; pyridoxal kinase; FLJ21324; FLJ31940; MGC15873; PKH; PNK; PRED79; pyridoxine kinase; vitamin B6 kinase; pyridoxamine kinase; C21orf97; C21orf124; FLJ37311; MGC31754; MGC52346; DKFZp566A071;
Gene ID	8566
mRNA Refseq	NM_003681
Protein Refseq	NP_003672
MIM	179020
UniProt ID	O00764

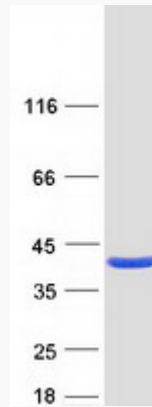
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SDS-PAGE



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