Recombinant Mouse Pdxk Protein, Myc/DDK-tagged

Cat. No. Pdxk-4782M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length pyridoxal (pyridoxine, vitamin B6) kinase (Pdxk), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalyzes the phosphorylation of the dietary vitamin B6 vitamers pyridoxal (PL), pyridoxine (PN) and pyridoxamine (PM) to form pyridoxal 5'-phosphate (PLP), pyridoxine 5'-phosphate (PNP) and pyridoxamine 5'-phosphate (PMP), respectively. PLP is the active form of vitamin B6, and acts as a cofactor for over 140 different enzymatic reactions.
Molecular Mass	35 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Pdxk pyridoxal (pyridoxine, vitamin B6) kinase [Mus musculus (house mouse)]
Official Symbol	Pdxk
Synonyms	PDXK; pyridoxal (pyridoxine, vitamin B6) kinase; pyridoxal kinase; pyridoxine kinase; C77999; AA119688; 2310036D04Rik
Gene ID	216134
mRNA Refseq	NM_172134
Protein Refseq	NP_742146
UniProt ID	Q8K183

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