



# Recombinant Human Pyridoxal kinase (PDXK)

<b>Product Code</b>	CSB-MP017748HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O00764
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MEEECRVL SI QSHVIRGYVG NRAATFPLQV LGFEIDAVNS VQFSNHTGYA HWKGGV LNSD ELQELYEGLR LNNMNKYDYV LTGYTRDKSF LAMVVDIVQE LKQQNPRLVY VCDPVLGDKW DGE GSMYVPE DLLPVYKEKV VPLADIITPN QFEAE LLSGR KIHSQEEALR VMDMLHSMGP DTVVITSSDL PSPQGSNYLI VLGSQRRRNP AGSVMERIR MDIRKVD AVF VGTGDLFAAM LLAWTHKHPN NLKVACEKTV STLHHVLQRT IQCAKAQAGE GVRPSMQLE LRMVQSKRDI EDPEIVVQAT VL
<b>Source</b>	Mammalian cell
<b>Target Names</b>	PDXK
<b>Protein Names</b>	Recommended name: Pyridoxal kinase EC= 2.7.1.35 Alternative name(s): Pyridoxine kinase
<b>Expression Region</b>	1-312
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	This protein 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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.