



Recombinant Human Pyridoxal kinase (PDXK)

Product Code	CSB-EP017748HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O00764
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MEEECRVLSI QSHVIRGYVG NRAATFPLQV LGFEIDAVNS VQFSNHTGYA HWKGGVLSND ELQELYEGLR LNNMNKYDYV LTGYTRDKSF LAMVVDIVQE LKQQNPRLVY VCDPVLGDKW DGECSMYVPE DLLPVYKEKV VPLADIITPN QFEAELLSGR KIHSQEEALR VMDMLHSMGP DTVVITSSDL PSPQGSNYLI VLGSQRRRNP AGSVMERIR MDIRKVDVAV VGTGDLFAAM LLAWTHKHPN NLKVACEKTV STLHHVLQRT IQCAKAQAGE GVRPSMQLE LRMVQSKRDI EDPEIVVQAT VL
Source	E.coli
Target Names	PDXK
Protein Names	Recommended name: Pyridoxal kinase EC= 2.7.1.35 Alternative name(s): Pyridoxine kinase
Expression Region	1-312
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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.
Reconstitution	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.
Shelf Life	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.