

Pyridoxal Kinase Human Recombinant

Item Number	rAP-1740
Synonyms	Pyridoxal kinase, Pyridoxine kinase, PDXK, C21orf124, C21orf97, PKH, PNK, PRED79, FLJ31940, FLJ37311, MGC15873, MGC31754, MGC52346, DKFZp566A071.
Description	PDXK Human Recombinant fused with a 24 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 336 amino acids (1-312 a.a.) and having a molecular mass of 37.6kDa. The PDXK is purified by proprietary chromatographic techniques.
Uniprot Accession Number	O00764
Amino Acid Sequence	MGSSHHHHHH SSSLVPRGSH MGSHEEEECR VLSIQSHVIR GYVGNRAATF PLQVLGFEID AVNSVQFSNH TGYAHWKQV LNSDELQELY EGLRLNMNK YDYVLTGYTR DKSFLAMVVD IVQELKQQNP RLVYVCDPVL GDKWDGEGSM YVPEDLLPVY KEKVVPLADI ITPNQFEALLSGRKIHSQE EALRVMDMLH SMGPDTVVIT SSDLPSPQGS NYLIVLGSQR RRNPAGSVVM ERIRMDIRKV DAVFGTGDL FAAMLLAWTH KHPNNLKVAC EKTVSTLHHV LQRTIQCAKA QAGEGVRPSP MQLELRMVQS KRDIEDPEIV VQATVL.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The PDXK solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 10% glycerol. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**