

32-3073: PDXK Recombinant Protein

Alternative Name : Pyridoxal kinase, Pyridoxine

Name : kinase, PDXK, C21orf124, C21orf97, PKH, PNK, PRED79, FLJ31940, FLJ37311, MGC15873, MGC31754, MGC52346, DKFZp566A071.

Description

Source : Escherichia Coli. 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. PDXK converts vitamin B6 to Pyridoxal-5-phosphate (PLP), which is a vital cofactor in the intermediate metabolism of amino acids and neurotransmitters. PDXK is cytoplasmic and probably acts as a homodimer. The biological validity of the alternatively spliced transcript variants has not been determined.

Product Info

Amount : 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : The PDXK solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 10% glycerol.

Storage condition : PDXK should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid : MGSSHHHHHH SSGLVPRGSH MGSHEEEECR VLSIQSHVIR GYVGNRAATF PLQVLGFEID
AVNSVQFSNH TGYAHWKGQV LNSDELQELY EGLRLNNMNK YDYVLTGYTR DKSFLAMVVD
IVQELKQQNP RLVYVCDPVL GDKWDGEGSM YVPEDLLPVY KEKVVPLADI ITPNQFEALLSGRKHSQE
EALRVMDMLH SMGPDTVIT SSDLPSPQGS NYLIVLGSQR RRNPAGSVVM ERIRMDIRKV DAVFVGTGDL
FAAMLLAWTH KHPNNLKVAC EKTVSTLHHV LQRTIQCAKA QAGEGVRPSP MQLELRMVQS KRDIEDPEIV
VQATVL.

