

AR09716PU-L

Human Pyridoxal kinase / PDXK (1-312, His-tag) - Purified

Alternate names:

C21orf124, C21orf97, PKH, PNK, PRED79, Pyridoxine kinase

Quantity:

0.25 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

PDXK converts vitamin B6 to pyridoxal-5-phosphate (PLP), an essential cofactor in the intermediate metabolism of amino acids and neurotransmitters. 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.

Uniprot ID:

[O00764](#)

NCBI:

[NP_003672](#)

GeneID:

[8566](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90%

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

Description:

Recombinant human PDXK protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSHEEECR VLSIQSHVIR GYVGNAATF PLQVLGFEID
AVNSVQFSNH TGYAHWKGQV LNSDELQELY EGLRLNMMNK YDYVLTGYTR DKSFLAMVVD
IVQELKQQNP RLVYVCDPVL GDKWDGEGSM YVPEDLLPVY KEKVPLADI ITPNQFEAL
LSGRKIHSQE EALRVMDMLH SMGPDVVIT SSDLPSPQGS NYLIVLGSQR RRNPAGSVVM
ERIRMDIRKV DAVFVGTGDL FAAMLLAWTH KHPNNLKVAC EKTVSTLHHV LQRTIQCAKA
QAGEGVRPSP MQLELRMVQS KRDIEDPEIV VQATVL

Molecular weight: 37.6 kDa (336aa) confirmed by MALDI-TOF

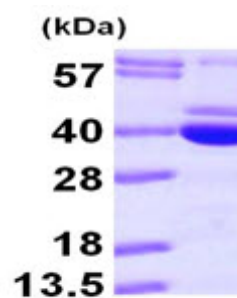
Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

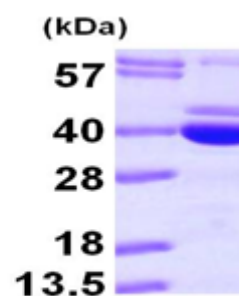
Shelf life: one year from despatch.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human PDXK, 1- 312 aa, His-tagged



15% SDS-PAGE (3ug)