

## PDXK Human

**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.

**Catalog #:** PKPS-333

For research use only.

**Synonyms:** Pyridoxal kinase, Pyridoxine kinase, PDXK, C21orf124, C21orf97, PKH, PNK, PRED79, FLJ31940, FLJ37311, MGC15873, MGC31754, MGC52346, DKFZp566A071.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MGSHMEEECR VLSIQSHVIR  
GYVGNRAATF PLQVLGFEID AVNSVQFSNH TGYAHWKGQV LNSDELQELY EGLRLNNMNK  
YDYVLTGYTR DKSFLAMVVD IVQELKQNP RLVYVCDPVL GDKWDGEGSM YVPEDLLPVY  
KEKVPLADI ITPNQFEALLSGRKHSQE EALRVMDMLH SMGPDTTVIT SSDLPSPQGS  
NYLIVLGSQR RRN

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

### Formulation:

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

### Stability:

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.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

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.

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