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Product datasheet for AR09716PU-L

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

Product data:

Product Type:	Recombinant Proteins
Description:	Pyridoxal kinase / PDXK (1-312, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHMEEECR VLSIQSHVIR GYVGNRAATF PLQVLGFEID AVNSVQFSNH TGYAHWKGQV LNSDELQELY EGLRLNNMNK YDYVLTGYTR DKSFLAMVVD IVQELKQQNP RLVYVCDPVL GDKWDGEGSM YVPEDLLPVY KEKVVPLADI ITPNQFEAEL LSGRKIHSQE EALRVMDMLH SMGPDTVVIT SSDLPSPQGS NYLIVLGSQR RRNPAGSVVM ERIRMDIRKV DAVFVGTGDL FAAMLLAWTH KHPNNLKVAC EKTVSTLHHV LQRTIQCAKA QAGEGVRPSP MQLELRMVQS KRDIEDPEIV VQATVL
Tag:	His-tag
Predicted MW:	37.6 kDa
Concentration:	lot specific
Purity:	>90%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human PDXK protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001317959
Locus ID:	8566
UniProt ID:	V9HWC3, F2Z2Y4
Cytogenetics:	21q22.3
Synonyms:	C21orf97; C21orf124; HEL-S-1a; HMSN6C; PKH; PNK; PRED79

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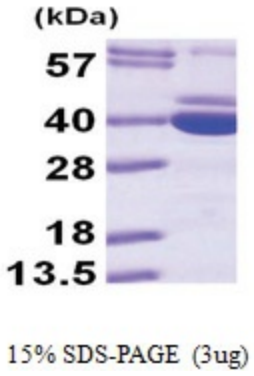
Summary: The protein encoded by this gene phosphorylates vitamin B6, a step required for the conversion of vitamin B6 to pyridoxal-5-phosphate, an important cofactor in intermediary metabolism. The encoded protein is cytoplasmic and probably acts as a homodimer. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Vitamin B6 metabolism

Product images:



15% SDS-PAGE (3ug)