

Recombinant Rat Pdxk protein, His & T7-tagged

Cat. No. Pdxk-1846R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Pdxk aa. (Val35~Asn251 (Accession # O35331)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Val35~Asn251
Description	Human homolog catalyzes the conversion of vitamin B6 forms pyridoxal, pyridoxamine, and pyridoxine to pyridoxal-5-phosphate.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.2kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.5.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate

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was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

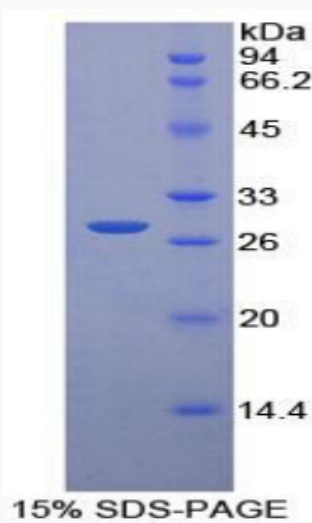
Gene Name	Pdxk pyridoxal kinase [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Pdxk
Synonyms	Pdxk; pyridoxal kinase; pyridoxal (pyridoxine, vitamin B6) kinase; pyridoxine kinase
Gene ID	83578
mRNA Refseq	NM_031769.1
Protein Refseq	NP_113957.1
UniProt ID	O35331

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SDS-PAGE



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