

Product datasheet for **AR09741PU-N**

PNPO (57-261, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	PNPO (57-261, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MDPVKQFAAW</u> FEEAVQCPDI GEANAMCLAT CTRDGKPSAR MLLKGFVKD GFRFFTNFES RKGKELDSNP FASLVFYWEP LNRQVRVEGP VKKLPEEEAE CYFHSPKSS QIGAVVSHQS SVIPDREYLR KKNEELEQLY QDQEVKPKS WGGYVLYPQV MEFWQQQTNR LHDRIVFRRG LPTGDSPLGP MTHRGEEDWL YERLAP
Tag:	His-tag
Predicted MW:	25.9 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 10% glycerol, 0.1M NaCl, 0.1 mM PMSF
Preparation:	Liquid purified protein
Protein Description:	Recombinant human PNPO protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
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:	<u>NP_060599</u>
Locus ID:	55163
UniProt ID:	<u>Q9NVS9</u>
Cytogenetics:	17q21.32
Synonyms:	HEL-S-302; PDXPO



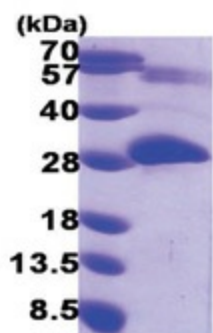
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Summary:

The enzyme encoded by this gene catalyzes the terminal, rate-limiting step in the synthesis of pyridoxal 5'-phosphate, also known as vitamin B6. Vitamin B6 is a required co-factor for enzymes involved in both homocysteine metabolism and synthesis of neurotransmitters such as catecholamine. Mutations in this gene result in pyridoxamine 5'-phosphate oxidase (PNPO) deficiency, a form of neonatal epileptic encephalopathy. [provided by RefSeq, Oct 2008]

Protein Pathways:

Metabolic pathways, Vitamin B6 metabolism

Product images:

15% SDS-PAGE (3ug)