

## Product datasheet for PH300133

### PNPO (NM\_018129) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PNPO MS Standard C13 and N15-labeled recombinant protein (NP_060599)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200133
Predicted MW:	30 kDa
Protein Sequence:	>RC200133 protein sequence Red=Cloning site Green=Tags(s)  MTCWLRGVTATFGRPAEWPGYLSHLCGRSAAMD LGPMRKS YRGDREAFEETHLTSLDPVKQFAAWFEEAV QCPDIGEANAMCLATCTRDGKPSARMLLLKGFKDGFRFFTFNFSRKGKELDSNPFASLVFYWEPLNRQV RVEGPVKKLPEEEAECEYFHSRPKSSQIGAVVSHQSSVIPDREYLRKKNEELEQLYQDQEVPKPKSWGYYV LYPQVMEFWQQGTNRLHDRI VFRRGLPTGDSPLGPMTHRG EEDWLYERLAP  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_060599</a>
RefSeq Size:	3482
RefSeq ORF:	783
Synonyms:	HEL-S-302; PDXPO
Locus ID:	55163
UniProt ID:	<a href="#">Q9NVS9</a> , <a href="#">V9HW45</a>



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**Cytogenetics:** 17q21.32

**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:



Coomassie blue staining of purified PNPO protein (Cat# [TP300133]). The protein was produced from HEK293T cells transfected with PNPO cDNA clone (Cat# [RC200133]) using MegaTran 2.0 (Cat# [TT210002]).