

Product datasheet for PH300133

OriGene Technologies, Inc.

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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 **HEK293 Expression Host:**

Expression cDNA Clone

RC200133

or AA Sequence: Predicted MW:

30 kDa

>RC200133 protein sequence **Protein Sequence:**

Red=Cloning site Green=Tags(s)

MTCWLRGVTATFGRPAEWPGYLSHLCGRSAAMDLGPMRKSYRGDREAFEETHLTSLDPVKQFAAWFEEAV QCPDIGEANAMCLATCTRDGKPSARMLLLKGFGKDGFRFFTNFESRKGKELDSNPFASLVFYWEPLNRQV RVEGPVKKLPEEEAECYFHSRPKSSQIGAVVSHQSSVIPDREYLRKKNEELEQLYQDQEVPKPKSWGGYV

LYPQVMEFWQGQTNRLHDRIVFRRGLPTGDSPLGPMTHRGEEDWLYERLAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-Lysine

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3

Store at -80°C. Avoid repeated freeze-thaw cycles. Storage:

Stability: Stable for 3 months from receipt of products under proper storage and handling conditions.

RefSeq: NP 060599

RefSeq Size: 3482

RefSeq ORF: 783

Synonyms: HEL-S-302; PDXPO

Locus ID: 55163

UniProt ID: Q9NVS9, V9HW45



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Cytogenetics: 17q21.32

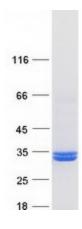
Summary: The enzyme encoded by this gene catalyzes the terminal, rate-limiting step in the synthesis of

> 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]).