

Product datasheet for TP300133M

OriGene Technologies, Inc.

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PNPO (NM_018129) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human pyridoxamine 5'-phosphate oxidase (PNPO), 100 μg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC200133 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MTCWLRGVTATFGRPAEWPGYLSHLCGRSAAMDLGPMRKSYRGDREAFEETHLTSLDPVKQFAAWFEEAV QCPDIGEANAMCLATCTRDGKPSARMLLLKGFGKDGFRFFTNFESRKGKELDSNPFASLVFYWEPLNRQV RVEGPVKKLPEEEAECYFHSRPKSSQIGAVVSHQSSVIPDREYLRKKNEELEQLYQDQEVPKPKSWGGYV

LYPQVMEFWQGQTNRLHDRIVFRRGLPTGDSPLGPMTHRGEEDWLYERLAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 29.8 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional

chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 060599

Locus ID: 55163

UniProt ID: Q9NVS9, V9HW45



PNPO (NM_018129) Human Recombinant Protein - TP300133M

RefSeq Size: 3482

Cytogenetics: 17q21.32

RefSeq ORF: 783

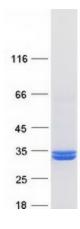
Synonyms: HEL-S-302; PDXPO

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]).