

Recombinant Human PNPO Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PNPO-6695H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PNPO MS Standard C13 and N15-labeled recombinant protein (NP_060599) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	30 kDa
AA Sequence	MTCWLRGVGTATFGRPAEWPGYLSHLCGRSAAMD LGPMRKS YRGDREAFEETHLT SLDPVKQFAAWFEEAVQCPDIGEANAMCLATCTRDGKPSARMLLLKGF GKDGFRFF TNFESRK GKELDSNPFASLVFYWEPLNRQVRVEGPVKKLP EEEAECYFHSRPKSSQ IGAVVSHQSSVIPDREYLRKKNEELEQLYQDQEV PKPKSWGGYVLYPQVMEFWQG QTNRLHDRV FRRGLPTGDSPLGPMTHRGEEDWLYERLAPTRTRPLEQKLISEEDLA ANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

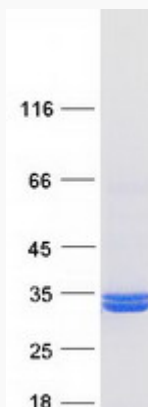
GENE INFORMATION

Gene Name	PNPO pyridoxamine 5-phosphate oxidase [Homo sapiens (human)]
Official Symbol	PNPO
Synonyms	PNPO; pyridoxamine 5-phosphate oxidase; pyridoxine 5 phosphate oxidase; pyridoxine-5-phosphate oxidase; PDXPO; pyridoxamine-phosphate oxidase; pyridoxal 5-phosphate synthase; pyridoxine 5-phosphate oxidase; FLJ10535;
Gene ID	55163
mRNA Refseq	NM_018129
Protein Refseq	NP_060599
MIM	603287
UniProt ID	Q9NVS9

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SDS-PAGE

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