

32-2690: PNPO Recombinant Protein

Alternative Name : Pyridoxine-5'-phosphate oxidase, Pyridoxamine-phosphate oxidase, PNPO, PDXPO, FLJ10535.

Description

Source : Escherichia Coli. PNPO Human Recombinant fused with a 21 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 226 amino acids (57-261 a.a.) and having a molecular mass of 25.9kDa. The PNPO is purified by proprietary chromatographic techniques. Pyridoxine-5'-phosphate oxidase (PNPO) is the rate-limiting enzyme in vitamin B6 synthesis. Vitamin B6 (Pyridoxal 5-prime-phosphate or PLP) is vital for normal cellular function, and some cancer cells have notable differences in vitamin B6 metabolism compared to their normal counterparts. Vitamin B6 is an essential co-factor for enzymes involved in both homocysteine metabolism and synthesis of neurotransmitters such as catecholamine. Mutations in the PNPO gene result in PNPO deficiency, a form of neonatal epileptic encephalopathy.

Product Info

Amount :	20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The PNPO solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 0.1M NaCl and 0.1mM PMSF.
Storage condition :	HSD17B14 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MDPVKQFAAW FEEAVQCPDI GEANAMCLAT CTRDGKPSAR MLLLKGFGKD GFRFFTNFES RKGKELDSNP FASLVFYWEP LNRQVRVEGP VKKLPEEEAE CYFHSPRKSS QIGAVVSHQS SVIPDREYLR KKNEELEQLY QDQEVKPKS WGGYVLYPQV MEFWQQQTNR LHDRIVFRRG LPTGDSPLGP MTHRGEEDWL YERLAP.

