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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 CYFHSRPKSS QIGAVVSHQS SVIPDREYLR KKNEELEQLY QDQEVPKPKS WGGYVLYPQV MEFWQGQTNR LHDRIVFRRG LPTGDSPLGP MTHRGEEDWL YERLAP.