

32-2655: PDXP Recombinant Protein

Alternative Name : CIN,PLP,PLPP,EC 3.1.3.74.

Description

Source : Escherichia Coli. PDXP Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 316 amino acids (1-296 a.a.) and having a molecular mass of 33.8 kDa. The PDXP is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. PDXP is the active form of vitamin B6 that functions as a coenzyme in preserving biochemical homeostasis. The desired degradation route from PLP to 4-pyridoxic acid involves the dephosphorylation of PLP by PDXP. PDXP shows activity to pyridoxal 5''-phosphate (PLP), pyridoxine 5''-phosphate (PMP) and Pyridoxine 5''-phosphate (PNP), with a highest activity with PLP followed by PNP.

Product Info

Amount :	10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	1mg/ml solution containing 20mM Tris pH-8, 1mM DTT, 0.1M NaCl & 20% glycerol.
Storage condition :	PDXP Human although stable at 4C for 1 week, should be stored desiccated below -18C. Please prevent freeze thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MARCERLRGA ALRDVLGRAQ GVLFD CDGVL WNGERAVPGA PELLERLARA GKAALFVSNN SRRARPELAL RFARLGFGL RAEQLFSSAL CAARLLRQRL PGPPDAPGAV FVLGGEG LRA ELRAAGLRLA GDPSAGDGAA PRVRVVLVGY DEHFSFAKLR EACAHLRDP E CLLVATDRDP WHPLSDGSRT PGTGSLAAAV ETASGRQALV VGKPSYMF E CITENFSIDP ARTLMVGDRL ETDILFGHRC GMTTVLTLTG VSRLEEAQAY LAAGQHDLVP HYYVESIADL TEGLED.