

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 GVLFDKDGVL WNGERAVPGA PELLERLARA GKAALFVSNN SRRARPELAL RFARLGFGL RAEQLFSSAL CAARLLRQRL PGPPDAPGAV FVLGGEGLRA ELRAAGLRLA GDPSAGDGAA PRVRAVLVGY DEHFSFAKLR EACAHLRDPE CLLVATDRDP WHPLSDGSRT PGTGSLAAAV ETASGRQALV VGKPSPYMFE CITENFSIDP ARTLMVGDRL ETDILFGHRC GMTTVLTLTG VSRLEEAQAY LAAGQHDLVP HYYVESIADL TEGLED.

