

32-2646: PCBD1 Recombinant Protein

Alternative Name : DCOH,PCBD,PCD,PHS.

Description

Source : Escherichia Coli. PCBD1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 124 amino acids (1-104 a.a.) and having a molecular mass of 14.1kDa.PCBD1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. PCBD1 enzyme takes part in phenylalanine hydroxylation. PCBD1 deficiency results in hyperphenylalaninemia. PCBD1 enzyme controls the homodimerization of HNF1. PCBD1 takes part in tetrahydrobiopterin biosynthesis. PCBD1 prevents the formation of 7-pterins and accelerate the formation of quinonoid-BH2. PCBD1 is a coactivator for HNF1A-dependent transcription.

Product Info

Amount :	25 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	The PCBD1 protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH-8), 1mM DTT, and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MAGKAHRLSA EERDQLLPNL RAVGWNELEG RDAIFKQFHF KDFNRAFGFM TRVALQAEKL DHHPEWFNVYNKVHITLSTH ECAGLSERDI NLSFIEQVA VSMT.