

PCBD1 Human

Description: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.

Catalog #:ENPS-559

For research use only.

Synonyms:DCOH, PCBD, PCD, PHS.

Source:Escherichia Coli.

Physical Appearance:Sterile filtered colorless solution.

Amino Acid Sequence:MGSSHHHHH SSGLVPRGSH MAGKAHRLSA EERDQLLPNL
RAVGWNELEG RDAIFKQFHF KDFNRAFGFM TRVALQAEKL DHHPEWFNVYNKVHITLSTH
ECAGLSERDI NLA SFIEQVA VSMT.

Purity:Greater than 95.0% as determined by SDS-PAGE.

Formulation:

The PCBD1 protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH-8), 1mM DTT, and 10% glycerol.

Stability:

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.

Usage:

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

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.

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