
Product Data Sheet

Product Name: PBLD Human
 Cat. No.: GP24130
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Phenazine biosynthesis-like domain-containing protein; MAWD-binding protein; Unknown protein 32 from 2D-page of liver tissue; PBLD; MAWBP; MAWDBP; FLJ14767; FLJ35507.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MKLPIFIADA FTARAFRGNP AAVCLLENEL DEDMHQKIAR EMNLSETAFI RKLHPTDNFA QSSCFGLRWF TPASEVPLCG HATLASAAVL FHKIKNMNST LTFVTLGEL RARRAEDGIV LDLPLYPAHP QDFHEVEDLI KTAIGNTLVQ DICYSPDTQK LLVRLSDVYN RSFLENLKVN TENLLQVENT GKVKGLLTL KGEPGGQTQA FDFYSRYFAP WVGVAEDPVT GSAHAVLSSY WSQHLGKKEM HAFQCShrgg ELGISLRPDG RVDIRGGAAV VLEGLTA.		
Formulation	The PBLD solution (1 mg/ml) contains 20mM Tris-HCl buffer(pH 8.0), 10% glycerol, 2mM DTT and 0.1M NaCl.		

Introduction

PBLD is member of the phenazine biosynthesis-like protein (PhzF) family. PBLD which is expressed in most tissues is the only representative of the PhzF family in the human genome. PBLD participates in the MAPK signaling pathway. PBLD is involved in multiple basic cellular functions, its expression is elevated in several disease processes, including folate deficiency and hypotension.

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.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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PBLD Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 308 amino acids (1-288 a.a.) and having a molecular mass of 33.9kDa. The PBLD is purified by proprietary chromatographic techniques.

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