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## Product Data Sheet

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Product Name: PDCL Human  
 Cat. No.: GP24151  
 Batch No.: 1

### Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Phosducin-like protein; PHLP; DKFZp564M1863.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMTTLDD KLLGEKLQYY YSSSEDESD HEDKDRGRCA PASSVPAEA ELAGEGISVN TGPKGVIWDW RRFKQLETEQ REEQCREMER LIKKLSMTCR SHLDEEEEQ KQKDLQEKIS GKMTLKEFAI MNEDQDDEEF LQQYRKQRME EMRQQLHKGP QFKQVFEISS GEGFLDMIDK EQKSIVIMVH IYEDGIPGTE AMNGCMICLA AEYPAVKFCK VKSSVIGASS QFTRNALPAL LIYKGGELIG NFVRVTDQLG DFFFAVDLEA FLQEFGLLPE KEVLVLTSVR NSATCHSEDS DLEID		
Formulation	The PDCL solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 20% glycerol.		

### Introduction

Phosducin-like protein (PDCL) is a member of the phosducin family. PDCL is a putative modulator of heterotrimeric G proteins. PDCL shares broad amino acid sequence homology with phosducin, a phosphoprotein expressed in the retina and pineal gland. Both PDCL and phosphoducin regulate G-protein signaling by binding to the beta-gamma subunits of G proteins.

### 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

PDCL Human Recombinant produced in E. coli is a single polypeptide chain containing 325 amino acids (1-301) and having a molecular mass of 36.8 kDa. PDCL is fused to a 24

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

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amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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