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# **Recombinant human PDCL protein**

Catalog Number: ATGP1602

#### PRODUCT INFORMATION

# **Expression system**

E.coli

#### **Domain**

1-301aa

#### **UniProt No.**

013371

#### **NCBI Accession No.**

NP 005379

#### **Alternative Names**

Phosducin-like protein, PhLP

### **PRODUCT SPECIFICATION**

### **Molecular Weight**

36.8 kDa (325aa) confirmed by MALDI-TOF

#### Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

#### **Purity**

> 90% by SDS-PAGE

#### Tag

His-Tag

## **Application**

SDS-PAGE

# **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **Description**

PDCL, also known as phosducin-like protein, belongs to the phosducin family. Phosducin-like protein is a putative modulator of heterotrimeric G proteins. The protein shares extensive amino acid sequence homology with phosducin, a phosphoprotein expressed in retina and pineal gland. Both phosducin-like protein and phosphoducin have been shown to regulate G-protein signaling by binding to the beta-gamma subunits of G proteins. Recombinant human PDCL protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.



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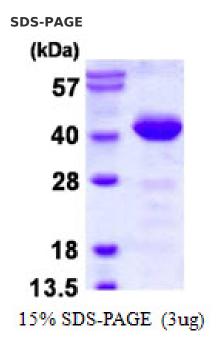
## **Amino acid Sequence**

MGSSHHHHHH SSGLVPRGSH MGSHMTTLDD KLLGEKLQYY YSSSEDEDSD HEDKDRGRCA PASSSVPAEA ELAGEGISVN TGPKGVINDW RRFKQLETEQ REEQCREMER LIKKLSMTCR SHLDEEEEQQ KQKDLQEKIS GKMTLKEFAI MNEDQDDEEF LQQYRKQRME EMRQQLHKGP QFKQVFEISS GEGFLDMIDK EQKSIVIMVH IYEDGIPGTE AMNGCMICLA AEYPAVKFCK VKSSVIGASS QFTRNALPAL LIYKGGELIG NFVRVTDQLG DDFFAVDLEA FLQEFGLLPE KEVLVLTSVR NSATCHSEDS DLEID

#### **General References**

Thibault C., et al. (1999) Biochim. Biophys. Acta. 1444:346-354 Olsen J.V., et al. (2006) Cell. 127:635-648

# **DATA**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

