

Recombinant human PDCL protein

Catalog Number: ATGP1602

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-301aa

UniProt No.

Q13371

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

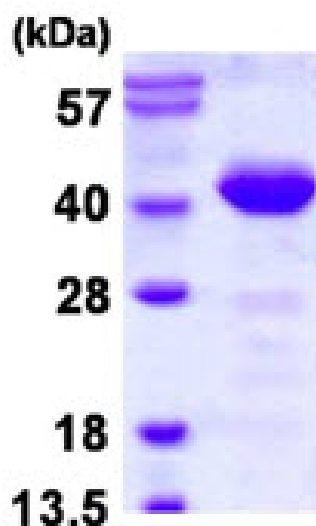
MGSSHHHHHH SSSLVPRGSH MGSMTTLDD KLLGEKLQYY YSSSEDESD HEDKDRGRCA PASSSVPAEA ELAGEGISVN
TGPKGVIWDW RRFKQLETEQ REEQCREMER LIKKLSMTCR SHLDEEEEQ KQKDLQEKIS GKMTLKEFAI MNEDQDDEEF
LQYRKRME EMRQLHKGP QFKQVFEISS GEGFLDMIDK EQKSIVIMVH IYEDGIPGTE AMNGCMICLA AEYPAVKFCK
VKSSVIGASS QFTRNALPAL LIYKGGELIG NFVRVTDQLG 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

SDS-PAGE



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

15% SDS-PAGE (3ug)