

# Recombinant human PROSC/PLPBP protein

Catalog Number: ATGP2631

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-275aa

### UniProt No.

O94903

### NCBI Accession No.

NP\_009129

### Alternative Names

Pyridoxal phosphate binding protein, Proline synthetase co-transcribed bacterial homolog, Pyridoxal phosphate homeostasis protein, PLP homeostasis protein

## PRODUCT SPECIFICATION

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### Molecular Weight

32.7 kDa (298aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 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

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### Description

PROSC belongs to the uPF0001 family. Recombinant human PROSC protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

### Amino acid Sequence

<MGSSHHHHH SSGLVPRGSH MGS>MWRAGSM SAELGVGCAL RAVNERVQQA VARRPRDLPA IQPRLVAVSK  
TKPADMVIEA YGHGQRTFGE NYVQELLEKA SNPKILSLCP EIKWHFIGHL QKQNVNKLMA VPNFLMLETV DSVKLADKVN

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SSWQRKGSPE RLKVMVQINT SGEESKHGLP PSETIAIVEH INAKCPNLEF VGLMTIGSFG HDLSQGPND FQLLLSLREE  
LCKKLNIPAD QVELSMGMSA DFQHAVEVGS TNVRIGSTIF GERDYSKKPT PDKCAADVKA PLEVAQEH

## General References

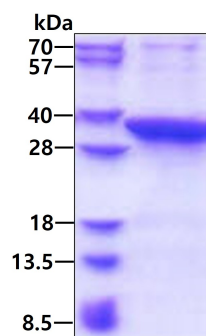
Ikegawa S., et al. (1999) J. Hum. Genet. 44:337-342

Burkard T.R., et al. (2011) BMC Syst. Biol. 5:17-17

## DATA

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### SDS-PAGE



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