

# Recombinant human PRAT4B/CNPY4 protein

Catalog Number: ATGP2698

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

22-248aa

### UniProt No.

Q8N129

### NCBI Accession No.

NP\_689968

### Alternative Names

protein canopy homolog 4, PRAT4B

## PRODUCT SPECIFICATION

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### Molecular Weight

28.6 kDa (252aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

### Concentration

0.25mg/ml (determined by BRADFORD assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 5mM DTT, 2mM EDTA

### Purity

> 85% 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

CNPY4 belongs to the canopy family and contains 1 saposin B-type domain. This protein plays a role in the regulation of the cell surface expression of TLR4. Recombinant human CNPY4, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSEFGMLKE EDDDTERLPS KCEVCKLLST ELQAELSR TG RSREVLELGQ VLDTGKRKRH  
VPYSVSETRL EEALENL CER ILDYSVHAER KGSLRYAKGQ SQTMATLKGL VQKGVKVDLG IPLELWDEPS VEVTYLKKQC

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ETMLEEFEDI VGDWYFHHQE QPLQNFLCEG HVLPAEAETAC LQETWTGKEI TDGEEKTEGE EEQEEEEEEE EEEGGDKMTK  
TGSHPKLDRE DL

## General References

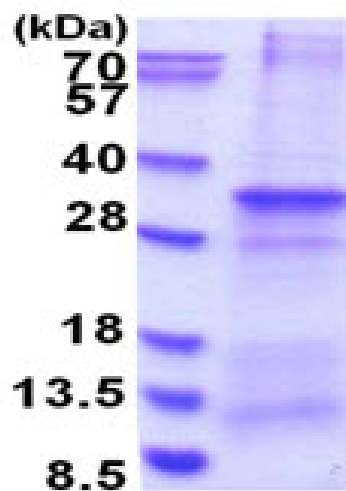
Hart,B.E., et al. (2012) J. Biol. Chem. 287 (20), 16550-16562

Konno,K., et al. (2006) Biochem. Biophys. Res. Commun. 339 (4), 1076-1082

## DATA

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### SDS-PAGE



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

15% SDS-PAGE (3ug)