

# Recombinant human COPZ1 protein

Catalog Number: ATGP1048

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-177aa

### UniProt No.

P61923

### NCBI Accession No.

NP\_057141

### Alternative Names

Coatomer protein complex subunit zeta1, Coatomer protein complex, subunit zeta1, CGI-120, COPZ, zeta1-COP

## PRODUCT SPECIFICATION

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### Molecular Weight

22.3 kDa (197aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

### Purity

> 95% 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

Coatomer protein complex, subunit zeta1, also known as COPZ1, belongs to the adaptor complexes small subunit family. Coatomer is oligomeric complex that consists of at least the alpha, beta, beta', gamma, delta, epsilon and zeta subunits. The zeta subunit may be involved in regulating the coat assembly and, hence, the rate of biosynthetic protein transport due to its association-dissociation properties with the coatomer complex. Recombinant human COPZ1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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### Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MEALILEPSL YTVKAILILD NDGDRLFAYK YDDTYPVKE QKAFEKNIFN KTHRTDSEIA  
LLEGLTVVYK SSIDLYFYVI GSSYENELML MAVLNCLFDS LSQMLRKNVE KRALLENMEG LFLAVDEIVD GGVILESDPQ  
QVVHRVALRG EDVPLTEQTV SQVLQSAKEQ IKWSLLR

### General References

Faulstich D., et al. (1996) J Cell Biol. 135(1):53-61.

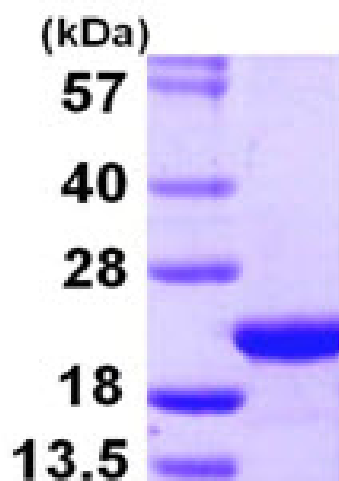
Cosson P., et al. (1996) EMBO J. 15:1792-1798.

## DATA

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### SDS-PAGE

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



15% SDS-PAGE (3ug)