

# Recombinant human ZCCHC12 protein

Catalog Number: ATGP2704

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-402aa

### UniProt No.

Q6PEW1

### NCBI Accession No.

NP\_776159

### Alternative Names

Znc finger CCHC domain-containing protein 12, PNMA7A, SIZN, SIZN1

## PRODUCT SPECIFICATION

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### Molecular Weight

47.8 kDa (425aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### 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

ZCCHC12 belongs to the ZCCHC12 family and contains 1 CCHC-type zinc finger. This protein is a transcriptional coactivator in the bone morphogenetic protein (BMP) -signaling pathway. It positively modulates BMP signaling by interacting with SMAD1 and associating with CBP in the transcription complex. It contributes to the BMP-induced enhancement of cholinergic-neuron-specific gene expression. Recombinant human ZCCHC12 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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### Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSMASIIAR VGNSRRLNAP LPPWAHSMLR SLGRSLGPIM ASMADRNMKL  
FSGRVVPAQG EETFENWLTQ VNGVLPDWNM SEEEKLRML KTLRGPAREV MRVLQATNP LSVADFLRAM KLVFGESESS  
VTAHGKFFNT LQAQGEKASL YVIRLEVQLQ NAIQAGIIAE KDANRTRLQ LLLGGELSRD LRLRLKDFLR MYANEQERLP  
NFLELIRMVR EEEDWDDAFI KRKRPKRSES MVERAVSPVA FQGSPPIVIG SADCNVIEID DTLDDSDDEV ILVESQDPPL  
PSWGAPPLRD RARPQDEVLV IDSPHNSRAQ FPSTSGGSGY KNNGPGEMRR ARKRKHTIRC SYCGEEGHKS ETCDNESDKA  
QVFENLIITL QELTHTEMER SRVAPGEYND FSEPL

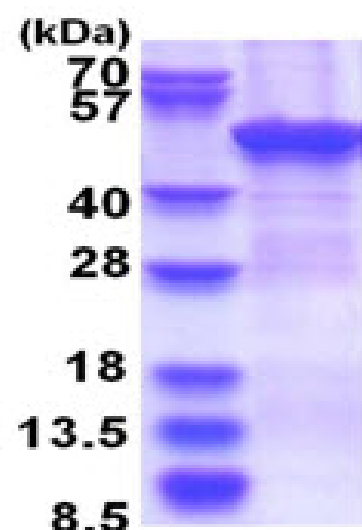
### General References

Li,Q.L, et al. (2012) Med. Oncol. 29 (3), 1409-1417

Cho,G., et al. (2009) J. Biol. Chem. 284 (29), 19592-19600

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)