

Recombinant human ZCCHC12 protein

Catalog Number: ATGP2704

PRODUCT INFORMATION

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

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

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

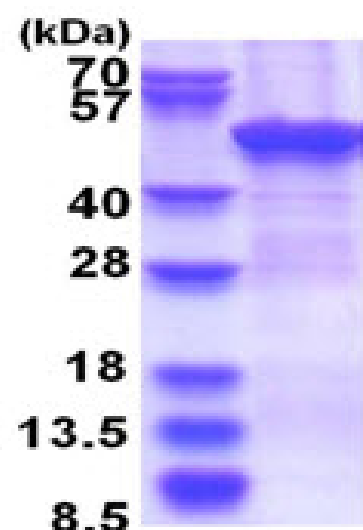
MGSSHHHHHH SSSLVPRGSH MGSMASIIAR VGNSRRLNAP LPPWAHSMLR SLGRSLGPIM ASMADRNMKL
FSGRVVPAQG EETFENWLTQ VNGVLPDWNM SEEEKLRML KTLRGPAREV MRVLQATNP LSVADFLRAM KLVFGESESS
VTAHGKFFNT LQAQGEKASL YVIRLEVQLQ NAIQAGIIAE KDANRTRLQ LLLGGELSRD LRLRLKDFLR MYANEQERLP
NFLELIRMVR EEEDWDDAFI KRKRPKRSES MVERAVSPVA FQGSPPIVIG 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)