

Recombinant Human ZCCHC12, His-tagged

Cat. No. ZCCHC12-211H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ZCCHC12, 1-402aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-402aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Molecular Mass	47.8kDa (425aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMASIIAR VGNSRRLNAP LPPWAHSMLR SLGRSLGPIM ASMADRNMKL FSGRVPAQG EETFENWLTQ VNGVLPDWNM SEEEKLKRLM KTLRGPAREV MRVLQATNPN LSVADFLRAM KLVFGESESS VTAHGKFFNT LQAQGEKASL YVIRLEVQLQ NAIQAGIIAE KDANRTRLQQ LLLGGELSRD LRLRLKDFLR MYANEQERLP NFLELIRMVR EEEDWDDAFI KRKRPKRSES MVERAVSPVA FQGSPPIVIG SADCNVIEID DTLDDSDVDV

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ILVESQDPPL PSWGAPPLRD RARPQDEVLV IDSPHNSRAQ FPSTSGGSGY
 KNNGPGEEMRR ARKRKHTIRC SYCGEEGHSK ETCDNESDKA QVFENLIITL
 QELTHTEMER SRVAPGEYND FSEPL

Purity >85% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [ZCCHC12 zinc finger, CCHC domain containing 12 \[Homo sapiens \]](#)

Official Symbol ZCCHC12

Synonyms ZCCHC12; zinc finger, CCHC domain containing 12; zinc finger CCHC domain-containing protein 12; FLJ16123; paraneoplastic Ma antigen family member 7A; PNMA7A; SIZN; SIZN1; 2810028A01Rik; smad-interacting zinc finger protein 1;

Gene ID [170261](#)

mRNA Refseq [NM_173798](#)

Protein Refseq [NP_776159](#)

MIM [300701](#)

UniProt ID [Q6PEW1](#)

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Chromosome Location	Xq24
Pathway	Regulation of Wnt-mediated beta catenin signaling and target gene transcription, organism-specific biosystem;
Function	metal ion binding; nucleic acid binding; zinc ion binding;

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