

Product datasheet for **RG206924**

ZCCHC12 (NM_173798) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZCCHC12
Synonyms:	PNMA7A; SIZN; SIZN1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG206924 representing NM_173798
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGCTAGCATCATTGCACGTGTCGGTAACAGCCGGCGGCTGAATGCACCTTGCCGCCTTGGGCCATT
CCATGCTGAGGTCCCTGGGGAGAAGTCTCGGTCCTATAATGGCCAGCATGGCAGACAGAAACATGAAGTT
GTTCTCGGGGAGGGTGGTCCAGCCCAAGGGGAAGAAACCTTTGAAACTGGCTGACCAAGTCAATGGC
GTCCTGCCAGATTGGAATATGTCTGAGGAGGAAAAGCTCAAGCGCTTGATGAAAACCTTAGGGGCCCTG
CCCGCAGGTCATGCGTGTGCTTCAGGCGACCAACCTAACCTAAGTGTGGCAGATTTCTTGCGAGCCAT
GAAATTGGTGTGGGGAGTCTGAAAGCAGTGTGACTGCCCATGGTAAATTTTTAACACCCTACAAGCT
CAAGGGGAGAAAGCCTCCCTTTATGTGATCCGTTTAGAGGTGCAGCTCCAGAACGCTATTCAGGCAGGCA
TTATAGCTGAGAAAGATGCAACCGGACTCGTTGCAGCAGCTCCTTTAGGCGGTGAGCTGAGTAGGGA
CCTCCGACTCAGACTTAAGGATTTCTCAGGATGTATGCAATGAGCAGGAGCGGCTTCCCAACTTTCTG
GAGTTAATCAGAATGGTAAGGGAGGAAGAGGATTGGGATGATGCTTTTATTAACGGAAGCGTCCAAAAA
GGTCTGAGTCAATGGTGAGAGGGCAGTCAGCCCTGTGGCATTTAGGGCTCCCCACCGATAGTGATCGG
CAGTGCTGACTGCAATGTGATAGAGATAGATGATACCTCGACGACTCCGATGAGGATGTGATCCTGGTG
GAGTCTCAGGACCTCCACTTCCATCCTGGGGTGCCCTCCCTCAGAGACAGGGCCAGACCTCAGGATG
AAGTGCTGGTCATTGATCCCCCAACAATTCAGGGGCTCAGTTTCTTCCACCAGTGGTGGTCTGGCTA
TAAGAATAACGGTCTGGGGAGATGCGTAGAGCCAGGAAGCGAAAAACACAAATCCGCTGTTCTGATTGT
GGTGAGGAAGGCACTCAAAAGAAACCTGTGACAACGAGAGTGACAAGGCCAGGTTTTTGAGAATTGA
TCATCACTCTCCAGGAGCTGACCCATACTGAGATGGAGAGGTCAAGAGTGGCCCTGGCGAATACAATGA
CTTCTCTGAGCCACTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



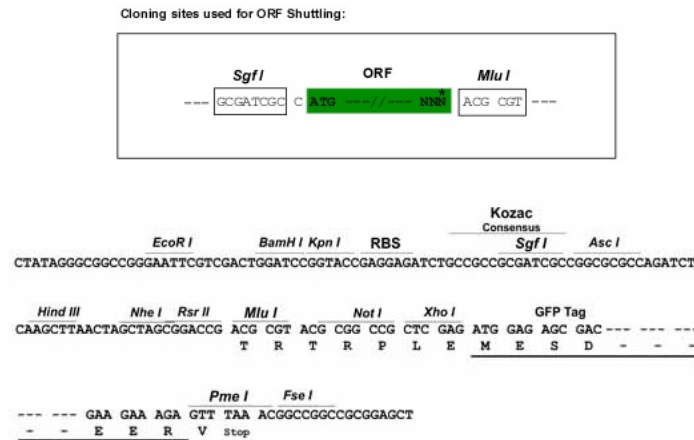
Protein Sequence: >RG206924 representing NM_173798
Red=Cloning site Green=Tags(s)

MASIIARVGNRRRLNAPLPPWAHSMRLRSLGRSLGPIMASMDRNMKLFSGRVVPAQGEETFENWLTQVNG
VLPDWNMSEEEKLKRLMKTLRGPAREVMRVLQATNPNSVADFLRAMKLVFGESESSVTAHGKFFNTLQA
QGEKASLYVIRLEVQLQNAIQAGIIAEKDANRTRLQQLLLGGELSRDLRLRKDFLRMYANEQERLPNFL
ELIRMVREEEDWDDAFIKRKRPKRSESMVERAVSPVAFQGSPPIVIGSADCNVIEIDDTLDDSDDEVILV
ESQDPPLPSWGAPPLRDRARPQDEVVIDSPHNSRAQFPSTSGGSGYKNNGPGEMRRARKRKHITIRCSYC
GEEGHSKETCDNESDKAQVFENLIITLQELTHTEMERSRVAPGEYNDFSEPL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173798

ORF Size: 1206 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_173798.4](#)

RefSeq Size: 2212 bp

RefSeq ORF: 1209 bp

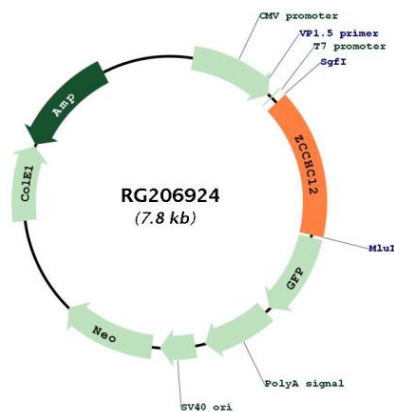
Locus ID: 170261

UniProt ID: [Q6PEW1](#)

Cytogenetics: Xq24

Gene Summary: This gene encodes a downstream effector of bone morphogenetic protein (BMP) signalling. This protein contains a zinc finger domain and functions as a transcriptional coactivator. Variation in this gene may be associated with X-linked cognitive disability. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2015]

Product images:



Circular map for RG206924