

Product datasheet for **RR214578**

Zcchc12 (NM_001014065) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Zcchc12 (NM_001014065) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Zcchc12
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214578 representing NM_001014065
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCTAGCATCCTTTCACGCATGGGTAACAGCCGGGGCAGAAGTACCCTGCCACCTTGGGCTCATT
CCATGCTGAGGTCCCTGGGAGGAGTCTTGGTCTTTAATGGCCAGCATGGCAGAGAGAAACATGAAGCT
GTTCTCTGGGAGGGCAGAGCCAGCCAGGGGAAAGAACTTTGAAAACCTGGCTGAGCCAAGTAAGTCA
GTGCTGCCTGATTGGCATATGCCTGAGGAGGAAAAGGTCAAGCGCCTAATGAGAACCTTAGAGGCCTG
CCCGGGAGGTCATGCGTTTGCTCCAGGCTGCCAATCCCTGCCTTGATGTAGAGGATTTTTGCGTGCAAT
GAAACTGGTCTTTGGGAGTCTGAGAGCAGTGTGACAGCCACAGTAAATTTGTTAACACTGTTCAGGAA
CCTGGAGAGAAACCATCCCTGTATGTGATCCGTTTAGAGGTGCAGCTGCAGAATGCTATCCAGGCAGGGG
TTTTTGCTGAGAGAGAGGCAAACCAGGCTCGCCTGCACCAGCTCCTGGTAGGGCTGAGATGAGTACTGA
CCTTCGATTCAGGCTTAAGAGTCTTCTCCGGGTATATGCAAATGAGCCAGAGCGCCTTCCAATTTCTG
GAGTTAATCAGGATGATAAGGGAGGAAGAGGAATGGGAGGAGGCTTTTATTCATCAAAGCGGCCAGGA
GATCCCAGTCAGTGGAGAGGGCACTCAGCCCTACATTTCCAGAGCTCCCCACAGTAATGATCAGCAGTAT
TGACTGCAATGTGATAGAGATAGATGACTCTCCTGATGATTCCGATGAGGACGTGATCTTGGTGGAGCCT
GACGACCCACCACTGCCATCCTCAAGTGCAGGGCCATCCTTCTAGGCAGGGCTGTATCCGAGGACCAAG
TGCTGGTCATTGAGTCCCCTAACATTTTTGAGATCCAGGCTCCTTCCACCAGCAGTGGTGTGGAAGGAA
GAACAACAATAATTTGGGGAGCTGCGCAGAGCCAGGAAGCGCAAACACACAGTCCATTGTTCCCACTGT
GGTGAGGAGGGTCACTCAAAGAAACCTGTGACAATGAGAGTGACAGGGGTGAGTTTTTGAAGTCTGA
TCATCACCTGCAGGAGCTGACACATACAGAGGAGAGGGCAAGGGAGATCTTTGGAGAAGCCATTGGCCT
CTCTGAACCTACAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR214578 representing NM_001014065
 Red=Cloning site Green=Tags(s)

MASILSRMGNSRGQNSPLPPWAHSMLRSLGRSLGPLMASMAERNMKLFSGRAEPAQGEETFENWLSQVTA
 VLPDWHMPREEKVRRLMRTL RGPAREVMRLLQAANPCLDVEDFLRAMKLVFGESESVTAHSKFVNTVQE
 PGEKPSLYVIRLEVQLQNAIQAGVFAEREANQARLHQLLVGAEMSTDLRFRLKSLLRVYANEPERLPNFL
 ELIRMIREEEEEEWEEAFIHPKRPRRSQSVERALSPTTFQSSPPVMISSIDCNVIEIDDSPPDSDEDVILVEP
 DDPPLPSSSAGPSFLGRAVSEDQVLVIESPNIFEIQAPSTSSGAGRKNNNNF GELRRARKRKHTVHCSHC
 GEEGHSKETCDNESDRGQVFENLIITLQELTHTEERAREIFGEATIGLSELH

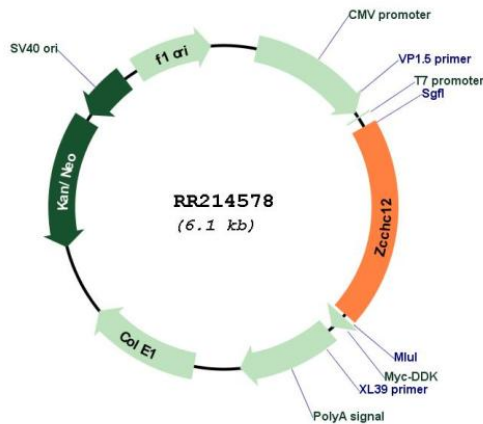
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001014065

ORF Size:	1203 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:	<ol style="list-style-type: none">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.
RefSeq:	NM_001014065.2 , NP_001014087.1
RefSeq Size:	2106 bp
RefSeq ORF:	1206 bp
Locus ID:	313436
UniProt ID:	Q5HZA3
Cytogenetics:	Xq35
MW:	45.2 kDa
Gene Summary:	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 (By similarity).[UniProtKB/Swiss-Prot Function]