

Product datasheet for MR206312

Zcchc12 (NM_028325) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zcchc12 (NM_028325) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zcchc12
Synonyms:	2810028A01Rik; AV136720; Sizr1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206312 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTAGCATCCTTTCACGTTTGGGTAGCAGCCGGGGCAGAACTCACCCCTGCCACCTTGGGCTCATT
CCATGCTGAGATCCCTGGGAGGAGTCTTGGCCCTTTAATGGCCAGCATGGCAGAGAGAAACATGAGGTT
GTTCTCTGGGAGGGCAGAGCCAGCCAGGGGGAAGAAACCTTTGAAAACCTGGCTGAGCCAAGTAAGTGGG
GTGCTGCCTGATTGGCATATGCCTGAGGAGGAAAAGTCAAGCCTAATGAGAACCCTTAGAGGCCCTG
CCCGCAGGTCATGCGTTTGTCCAAGCTGCCAATCCTGGCCTAGATGTAGAGGATTTTTGCGGGCGAT
GAAACTGGTCTTTGGGGAGTCTGAGAGCAGTGTGACAGCCATAGTAAATTTGTTAACACTGTTCAGGAA
CATGGAGAGAAACCATCCCTGTATGTGATCCGTTTAGAGGTGCAGCTGCAGAATGCTATCCAGGCAGGGG
TGTTTGTCTGAGAGAGAGGCAAACAGGCTCGCCTGCATCAGCTCCTGGTAGGAGCTGAGATGAGTACAGA
CCTTCGATTCAGGCTTAAGAATCTTCCGGGTATATGCAATGAGCCAGAGCGCCTTCCCAATTTCTTA
GAGTTAATCAGGATGATAAGGGAGGAAGAGGAATGGGAGGAGACTTTTATTAATCCAAAGCGGCCAGAA
GAGCCGAGTCAGTGATGGAGAGGGCACTCAGCCATGATGATTTTCAAGCTCCCCACCAATAATGATCAG
CAGTATCGACTGCAATGTATCGAGATAGATGACTCTCCTGATGATTCGGATGAGGATGTGATCTTGGTG
GAGCCTGAGGACCCACCCTGCCATCCTCAAGTGCCTTTCCTTCTAGGAGGGCTGTATCTGAGGACC
AAGTGTGGTCAATTGAGTCCCAACATTTTTGAGATCCAGGCTCCTTCCACTAGCAGTGGTGTGGGAG
AAAGAACAATCGGGGTTTTGGGGAGCTGCGTAGAGCCAGGAAGCGCAAACATACGATCCATTGTTCCAC
TGTGGTAGGAGGGCCACTCAAAGAAACCTGTGACAATGAGAGTGACAAGGGCCAGGTTTTTGGAGAATC
TGATCATCACCTGCAGGAGCTGACACATGCAGAGGAGAGGGCAAGGGGGCCCCCTGGTGAACCCATTGG
CCTATCTGAACCACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206312 protein sequence
 Red=Cloning site Green=Tags(s)

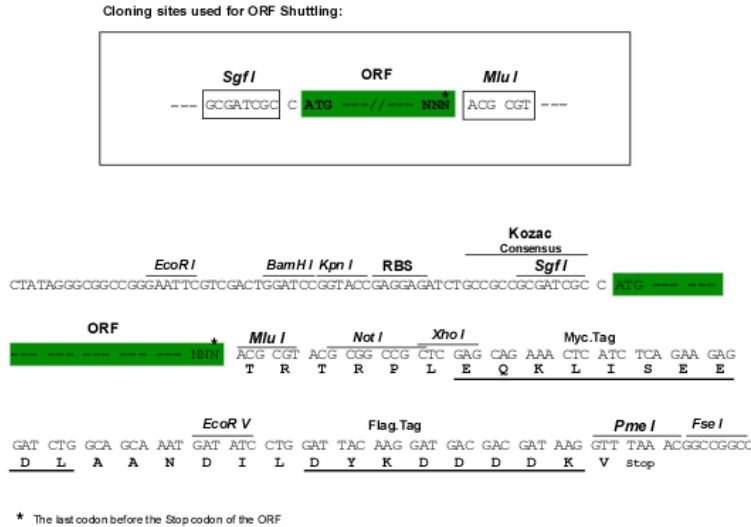
MASILSRLGSSRGQNSPLPPWAHSMRLSLGRSLGPLMASMAERNMRLFSGRAEPAQGEETFENWLSQVTG
 VLPDWHMPEEEKVRRMLRTL RGPAREVMRLLQAANPLDVEDFLRAMKLVFGESESVTAHSKFVNTVQE
 HGEKPSLYVIRLEVQLQNAIQAGVFAEREANQARLHQLLVGAEMSTDLRFRKLNLLRVYANEPERLPNFL
 ELIRMIREEEWEETFINPKRPRRAESVMERALSPMAFQSSPPIMISSIDCNVIEIDDSPDDSDVILV
 EPEDPPLPSSASSFLGRAVSEDQVLVIESPNIFEIQAPSTSSGAGRKNRNGFGLRRAKRKHTIHCSH
 CGEEGHSKETCDNESDKGVFENLIITLQELTHAEERARGAPGEPIGLSEPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_028325

ORF Size: 1209 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.

RefSeq: [NM_028325.4](#)

RefSeq Size: 2206 bp

RefSeq ORF: 1209 bp

Locus ID: 72693

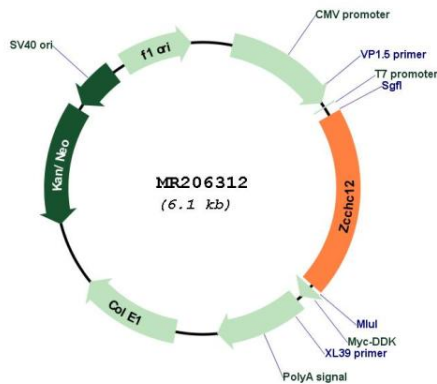
UniProt ID: [Q9CZA5](#)

Cytogenetics: X A3.3

MW: 45.1 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.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206312