

## Product datasheet for **MG206312**

### Zcchc12 (NM\_028325) Mouse Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Zcchc12 (NM_028325) Mouse Tagged ORF Clone                                  |
| Tag:                      | TurboGFP  |
| Symbol:                   | Zcchc12   |
| Synonyms:                 | 2810028A01Rik; AV136720; Sizr1  |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-AC-GFP (PS100010)   |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| ORF Nucleotide Sequence:  | >MG206312 representing NM_028325<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTAGCATCCTTTCACGTTTGGGTAGCAGCCGGGGCAGAACTCACCCCTGCCACCTTGGGCTCATT  
CCATGCTGAGATCCCTGGGAGGAGTCTTGCCCTTTAATGGCCAGCATGGCAGAGAGAAACATGAGGTT  
GTTCTCTGGGAGGGCAGAGCCAGCCAGGGGGAAGAAACCTTTGAAAACCTGGCTGAGCCAAGTAAGTGG  
GTGCTGCCTGATTGGCATATGCCTGAGGAGGAAAAGTCAAGCCTAATGAGAACCCTTAGAGGCCCTG  
CCCGCAGGTCATGCGTTTGTCCAAGCTGCCAATCCTGGCCTAGATGTAGAGGATTTTTGCGGGCGAT  
GAAACTGGTCTTTGGGGAGTCTGAGAGCAGTGTGACAGCCATAGTAAATTTGTTAACACTGTTCAGGAA  
CATGGAGAGAAACCATCCCTGTATGTGATCCGTTTAGAGGTGCAGCTGCAGAATGCTATCCAGGCAGGGG  
TGTTTGTGAGAGAGAGGCAAACAGGCTCGCCTGCATCAGCTCCTGGTAGGAGCTGAGATGAGTACAGA  
CCTTCGATTCAGGCTTAAGAATCTTCCGGGTATATGCAATGAGCCAGAGCGCCTTCCCAATTTCTTA  
GAGTTAATCAGGATGATAAGGGAGGAAGAGGAATGGGAGGAGACTTTTATTAATCCAAAGCGGCCAGAA  
GAGCCGAGTCAGTGATGGAGAGGGCACTCAGCCATGGCATTTCAGAGCTCCCCACCAATAATGATCAG  
CAGTATCGACTGCAATGTATCGAGATAGATGACTCTCCTGATGATTCGGATGAGGATGTGATCTTGGTG  
GAGCCTGAGGACCCACCCTGCCATCCTCAAGTGCCTCTCCTTCTAGGAGGGCTGTATCTGAGGACC  
AAGTGTGGTCAATTGAGTCCCCAAACATTTTTGAGATCCAGGCTCCTTCCACTAGCAGTGGTGCTGGGAG  
AAAGAACAATCGGGGTTTTGGGGAGCTGCGTAGAGCCAGGAAGCGCAAACATACGATCCATTGTTCCAC  
TGTGGTAGGAGGGCCACTCAAAGAAACCTGTGACAATGAGAGTGACAAGGGCCAGGTTTTTGGAGAATC  
TGATCATCACCTGCAGGAGCTGACACATGCAGAGGAGAGGGCAAGGGGGCCCCCTGGTGAACCCATTGG  
CCTATCTGAACCACAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206312 representing NM\_028325  
 Red=Cloning site Green=Tags(s)

MASILSRLGSSRGQNSPLPPWAHSMRLRSLGRSLGPLMASMAERNMRLFSGRAEPAQGEETFENWLSQVTG  
 VLPDWHMPEEEKVRRMLRTRGPAEVMRLLQAANPLDVEDFLRAMKLVFGESESVTAHSKFVNTVQE  
 HGEKPSLYVIRLEVQLQNAIQAGVFAEREANQARLHQLLVGAEMSTDLRFRKLNLLRVYANEPERLPNLF  
 ELIRMIREEEEWEETFINPKRPRRAESVMERALSPMAFQSSPPIMISSIDCNVIEIDDSPDDSDVILV  
 EPEDPPLPSSSASSFLGRAVSEDQVLVIESPNIFEIQAPSTSSGAGRKNRFGELRRARKRKHITHCSH  
 CGEEGHSKETCDNESDKGVFENLIITLQELTHAEERARGAPGEPIGLSEPPQ

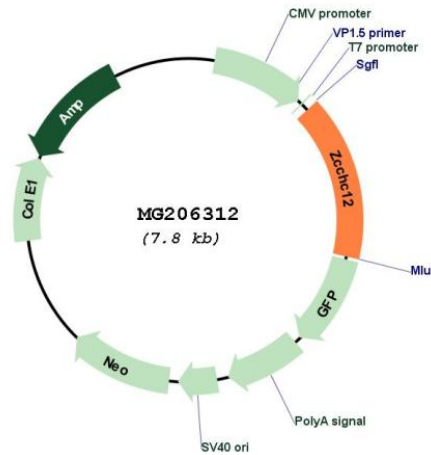
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_028325

|                               |   |
|-------------------------------|---|
| <b>ORF Size:</b>              | 1206 bp   |
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <a href="#">NM_028325.4</a>   |
| <b>RefSeq Size:</b>           | 2098 bp   |
| <b>RefSeq ORF:</b>            | 1209 bp   |
| <b>Locus ID:</b>              | 72693   |
| <b>UniProt ID:</b>            | <a href="#">Q9CZA5</a>  |
| <b>Cytogenetics:</b>          | X A3.3  |
| <b>Gene Summary:</b>          | 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]  |