

Product datasheet for **RR208769**

Zcchc7 (NM_001106658) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zcchc7 (NM_001106658) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zcchc7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR208769 representing NM_001106658
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTTGGTGGCTTTGAGACTATAGAAGCATTGGAAGATGACCTTTATCGTGATGATTCATCTAGTGAAC
 TTAGTGTGATAGTGAAGTGAATTTACAGCTCTACAGCCAAGTCCATTATCCCAGAATATTCATAATGC
 CAACGAGGAGGAAGGATGAGGAAAAGAACTGTGAGAGTTCTGAAACAGTGAGTATTCAACCAGACCAG
 AAGAACTTAATCGTCCTTTAGATAGTGAAGTCACTCCAGCTGTCAGATACATCAGAGGTCATCACATTGT
 CTGATGAAGATAGTATTTATAGATGTAAGAGAAAAAATTGAAGTCCAAGCACAAGAAAAGACCCAAAG
 TCCTGCAACGCCTCGTTCTAATAAAGTGGCTAACAAATGCAAGAGGAGTAATAAGAAGCCTGAACCTGAA
 GAGAGCCCAAGTACGATCCGAGAGGTATGATCATAGAGGTCAGCTCAGATGAGGAGGAAGAAAGTACCA
 TTTAGAGAAATGAAAATGTGAAAAGCTGGATGCTCCTGGGATGTGAGGAAGATGATAAAGACAATGACAT
 CCTTCTCAACCTGGTGGGATGCAAGGACGCTGGTCTGAAGGAGAAAATGATGTAATTGGTTTCATCAGT
 GACAAAGACATCGAGGCCAAGATAGATAACAACAGATCATCTGGAAGGTGGAACAACCGATACTATTTCAG
 TCAACAAAAATGTCACGTGTAGAAATTGTGATAAACGTGGCCATTTGTCAAAAACTGCCCTTACCACA
 AAAAGTCCGGCCCTGCTGTCTCTGCTCGGAAAGAGGACACCTCCAGTATGGCTGTCCAGCCCGTTACTGC
 TTAGACTGCTCTTTGCCCATGTCTTCCACTCACAGATGTTTTGAAAGATCTTCTGGAGAAAAGCGATGTG
 ACCGATGTGATATGATAGGCCACTATGCTGATGCTTGGCCAGAAATCTGGAGGCAGTATCACCTAACGAC
 CAAACCTGGACCCTAAAAAGCCAAAGACCCCTTCTGGACAATCAGCGCTGGTGTATTGCTACAACCTGT
 GCACAGAAAGGCCATTATGGACATGAATGTACAGAGAGACGGATGTTAAACCAGGCGTTTCAACATCTC
 CATTTCATATTTGCTATGACGACAAATACGACATCCAGCAAAGGGATCGGAGAATAAAACGGAAACTGAA
 AGATATCAAGAAAAATGGAGATTTTCCAAGGCAGTTCAAAAGACCACATGGAGAAGAGACAGATAGATAT
 CACCATGATAGGAGAAAAAGCCGTTTCTCAGGAAAACGCAAGTCCGTTGGCCTCGAGAAAAGTAAAGAAACGC
 AGAAAGAGAAGACCAGGGGTAGAGAAGGCAGAAAGCACAGGAGGGACCGCCAGCCTCGCGATGAGGATGA
 AGACTTCCCTAGGGGCTGAAACCCAACCTCCAGCAGCAGTAAACAGCCAGAAGCCTTCTAAGTCCCTC
 CACCAGGCATCCCATTACCACAGGCTGAGGGAAGAGAAGCTTCGAGAGAGAGCATGCGGAGCAAGCCGA
 AGAAAAGGAAATTCGTAGAGGATGGCAGCCATGATGATTTATTTCTTATTAAGCAAAGGAAGAAGAAACC
 TAAGTCCAGTGGTTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208769 representing NM_001106658
 Red=Cloning site Green=Tags(s)

MFGGFETIEAFEDDLYRDDSSSELVDSEVEFQLYSQVHYSQNIHNANEEEGYEEKNCESSETVSIQPDQ
 KNLIIVLSDSEVIQLSDTSEVITLSDSDSIYRCKRKNIEVQAQEKQSPATPRSNKVANKCKRSNKKPEPE
 ESPSTIREVMIIEVSSDEEEESTISENENVESWMLLGCEEDDKDNDILLNLVGCKDAGAEGENDVNWFI
 DKDIEAKIDNNRSGRWNNRYYSVNKNVTCRNCCKRGHL SKNCLPLQKVRPCCLCSERHLYGCPARYC
 LDCSLPMSSTHRCFERSSWRKRCRCDMIGHYADACPEIWRQYHLTTKPGPPKPKTPSGQSALVYCNC
 AQKGHYGHECTERRMFNQAFPTSPFIYCYDDKYDIQQRDRRIKRLKDIKKNDFPRQFKRPHGEETDRY
 HHDRRKSFRSGKRSRWPRESKETQKEKTRGREGEKHRRDRQPRDEDFPRGLKPNSSSSNSQKPSKSL
 HQASHYHRLREEKLRRESMRSPKPKRKFVEDGSHDDLFLIKQRKKPKSSGF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

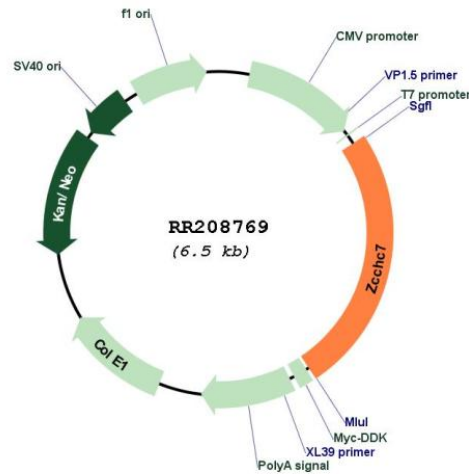
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN:	NM_001106658
ORF Size:	1626 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_001106658.2](#), [NP_001100128.1](#)

RefSeq Size: 2019 bp

RefSeq ORF: 1629 bp

Locus ID: 298086

UniProt ID: [B1WC15](#)

Cytogenetics: 5q22

MW: 63.3 kDa