

Product datasheet for **MG222992**

Zcchc8 (NM_027494) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zcchc8 (NM_027494) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zcchc8
Synonyms:	5730565F05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>MG222992 representing NM_027494
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGCCGGTGTGGATTTTGGCGACCTAGAGCTCTTCGAGCGTTTGACCCACCAGAGGAGTTCGACGC
 CGAAGCCCGTTACACCCGGTTCAAGGACGACGAGGAGGAAGAGGACGACGACGACGAGAACCGGGT
 GGGCGATGCGGAGCTGCAGGAGCAGCTCCGCGCTGCGAGGCCACCATCGAGCAGCTCCGCGCCGAGAAT
 CAAGAAGTAAAAGAAAGTTGAACATTCTGACAAGACCCAGTGGTATACTGGTGACAACTAAGATAG
 ATGGACCGTTACTACAAATCTATTTATGAACAATGCTATCTCAAAGCAATACCACCAAGAAATAGAGGA
 GTTTGTATCAAAGTAAACAGATTTGAGGAACAGCAAAAAATGACGTGGAAAAGACTTCCTTCAGC
 CTTTTACCCAGCCGTCAGTGTATGTTGGAAGAGGACCATAAAGTGGAAAGATCATGTGCCGTTAAAA
 ACAACAAGGAAGCTTTTAGTGTGTAGGAAGTGCCTGTATTTACTAATTTTTGCCTTGATAAATGGG
 GCAACCGTACTAAATGAAAACCTCAGCTTACGGAAGGATGGGAAATACCAAGTACCAGCAAGTCTTC
 AGCCACATTGTTCTCTAGAAGGCAAGAGATGCAAGTGAAGGCAAAAAGGCCAAAGCCTACTGTTTCA
 ACTGTGGTTCTGAAGAGCATCAGATGAAGGAATGCCAATGCCTCGGAATGCTGCTCGGATCAGTGAGAA
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 GAAGTAGAAGAGAGATTTGGAAGATTCAAGCCAGGAGTTATTAGTGAGGAACTTCAAGATGCACTGGGTG
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 GGAGGCTGAAGTGGAGAATCTGGACTTGCACTCTATGATGGAACGATGACGCTGATGGGAAACAGAA
 ACTGGAGAAATACAGAATAAAAAATGTCACTACGATCTCTCAAATTTGGTAAACTATCCAGGTTTTAATA
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 GAAGGATGTGTTTGCCAGTTACCTTAATTCTAACATCCAGTCGCCGAGTATGAGATCTAGCGGCAAGCGG
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 CCGACATGGAGCTAGACTCAGATGTAGAGATTCCACCTGGTTCTCAGAGCAGCAAAGCATTTCAGTTCCA
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 CTCCCTAAGGGAACCCACCCTGACTCCAGTACTCACCCAGGCCGACCCGACGCTCAGCCATGG
 ATGAGGATGCCCTGACGCTGGAGGAGCTGGAAGAGCAGCAGAGGCAGATCTGGCGGCTCTCCAGCAGGC
 CGAGGGAGGGAATGGCGACTCAGATGTTCTGGAGACACACCTTTAACTGGGAAGTCAAGTGCCTCTCC
 CCGTGTCCAACGAGTTTGACCTCCCTGTCCCGAAGGAAAGGCCCTGGAAAAGCCAGTGTGGCTGAGC
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 AGTGTCTCTCAGAGAGAAGAGGAAGCTGCTGCTGAGGGGGGCCCGGAGATGCTCTTCTGACAATGGC
 GGTGTGTTGAACATGAACATGAGCAATGGGAGCAACCAGCAGCCATTACCCGGACAGCCGGCCTCCGA
 TGGCCCCAAAAACCCATAGCCAGTACCTGACATGAGCAAGTTTGCCACTGGAATAACACCTTTGAATT
 TGAGAACATGGCTGAATCCACTGGAATGTACCTCAGGATAAGAAACCTGTTGAAGAATTCACCCGAAAT
 CAGCAGAAAAACAAAAGACTTGTGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG222992 representing NM_027494
 Red=Cloning site Green=Tags(s)

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MAAGVDFGDLELFEAFDPPEESTPKPVHTRFKDDEEEEDDDDDENGVDLAEQELRRCEATIEQLRAEN
QELKRLNLRTRPSGILVSNTKIDGPLLQILFMNNAISKQYHQEIEEFVSNLVKRFEEQQKNDVEKTSFS
LLPQPSSVMLEEDHKVEESCAVKNKEAFSVVGSVLYFTNFCLDKLGQPLLNNENQLTEGWEIPKYQQVF
SHIVPLEGQEMQVKAKRPKPHCFNCGSEEHQMKECPMPRNAARISEKRKEYMDACGEASGQSFQQRVYAE
EVEERFGRFKPGVISEELQDALGVTDKSLPPFIYRMRQLGYPPGWLKEAELENSGLALYDGNDDADGETE
TGEIQNKNVTYDLSKLVNYPGFNISTPRGIPDEWRMFGSIPMQACQKQKDFVASYLNSNIQSPSMRSSGKR
SSSQSSPNSPKQRKEGSAASPADMELDSDVEIPPGSQSSKAFQFQPPLPPGTPPPLPQGTPTPLFTFP
LPKGTPTLTPSDSPQARPAASAMDEDALTEELQQRQIWAALQQAEGGNGSDVPGDTPLTGNSVASS
PCPNEFDLPVPEGKALEKPVLAEPQEPAAASVDTAGPEPSCSPAAGAAVLSQREEEAAAEGGPGDALLDNG
GVLNMMSNGSNQQPIHPDSRPPMAPKTHSPVPMDSK FATGITPFEFENMAESTGMYLRIRNLLKNSPRN
QQKNKKTCE
  
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_027494

ORF Size: 2127 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_027494.3](#), [NP_081770.3](#)

RefSeq Size: 4286 bp

RefSeq ORF: 2130 bp

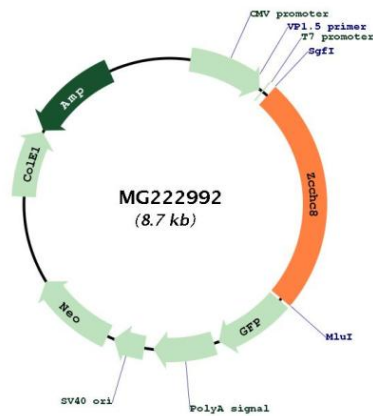
Locus ID: 70650

UniProt ID: [Q9CYA6](#)

Cytogenetics: 5 F

Gene Summary: Scaffolding subunit of the trimeric nuclear exosome targeting (NEXT) complex, a complex that directs a subset of non-coding short-lived RNAs for exosomal degradation. The RNA exosome is fundamental for the degradation of RNA in eukaryotic nuclei. Substrate targeting is facilitated by its cofactor MTREX, which links to RNA-binding protein adapters. May be involved in pre-mRNA splicing.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG222992