OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR222992

Zcchc8 (NM_027494) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zcchc8 (NM_027494) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zcchc8
Synonyms:	5730565F05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR222992 representing NM_027494
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCCGGTGTGGATTTTGGCGACCTAGAGCTCTTCGAGGCGTTTGACCCACCAGAGGAGTCGACGC
CGAAGCCCGTTCACACCCGGTTCAAGGACGACGAGGAGGAAGAGGACGACGACGACGACGAGAACGGGGT
GGGCGATGCGGAGCTGCAGGAGCAGCTCCGGCGCTGCGAGGCCACCATCGAGCAGCTCCGCGCCGAGAAT
CAAGAACTTAAAAGAAAGTTGAACATTCTGACAAGACCCAGTGGTATACTGGTGAGCAATACTAAGATAG
ATGGACCGTTACTACAAATTCTATTTATGAACAATGCTATCTCAAAGCAATACCACCAAGAAATAGAGGA
GTTTGTATCAAACTTAGTAAAACGATTTGAGGAACAGCAAAAAAATGACGTGGAAAAGACTTCCTTCAGC
CTTTTACCCCAGCCGTCCAGTGTTATGTTGGAAGAGGACCATAAAGTGGAAGAATCATGTGCCGTTAAAA
ACAACAAGGAAGCTTTTAGTGTTGTAGGAAGTGTCCTGTATTTTACTAATTTTTGCCTTGATAAATTGGG
GCAACCGCTACTAAATGAAAACCCTCAGCTTACGGAAGGATGGGAAATACCCAAGTACCAGCAAGTCTTC
AGCCACATTGTTCCTCTAGAAGGGCAAGAGATGCAAGTGAAGGCAAAAAGGCCAAAGCCTCACTGTTTCA
ACTGTGGTTCTGAAGAGCATCAGATGAAGGAATGCCCAATGCCTCGGAATGCTGCTCGGATCAGTGAGAA
GAGGAAAGAGTACATGGATGCCTGTGGCGAGGCCAGCGGCCAGAGCTTCCAGCAGCGCTATCATGCCGAA
GAAGTAGAAGAGAGATTTGGAAGATTCAAGCCAGGAGTTATTAGTGAGGAACTTCAAGATGCACTGGGTG
TGACAGACAAGAGTCTTCCCCCTTTCATCTACCGGATGCGCCAGCTGGGCTACCCACCGGGCTGGCTCAA
GGAGGCTGAACTGGAGAATTCTGGACTTGCACTCTATGATGGAAACGATGACGCTGATGGGGAAACAGAA
ACTGGAGAAATACAGAATAAAAATGTCACCTACGATCTCTCAAAATTGGTAAACTATCCAGGTTTTAATA
TATCTACTCCCAGAGGTATTCCAGATGAATGGAGAATGTTCGGTTCCATACCAATGCAGGCGTGTCAACA
GAAGGATGTGTTTGCCAGTTACCTTAATTCTAACATCCAGTCGCCGAGTATGAGATCTAGCGGCAAGCGG
TCTTCCTCGCAGTCCAGCCCTAACAGTCCAAAGAAGCAGCGAAAGGAGGGCAGTGCGGCGGCCTCCCCTG
CCGACATGGAGCTAGACTCAGATGTAGAGATTCCACCTGGTTCTCAGAGCAGCAAAGCATTTCAGTTCCA
ACCACCGTTGCCTCCCGGAACACCGCCTCCACTCCCACAGGGAACTCCCCCGCCTCTCTTCACCCCTCCA
CTCCCTAAGGGAACCCCACCACTGACTCCCAGTGACTCACCCCAGGCCCGACCCGCAGCCTCAGCCATGG
ATGAGGATGCCCTGACGCTGGAGGAGCTGGAAGAGCAGCAGAGGCAGATCTGGGCGGCTCTCCAGCAGGC
CGAGGGAGGGAATGGCGACTCAGATGTTCCTGGAGACACACCTTTAACTGGGAACTCAGTGGCCTCCTCC
CCGTGTCCAAACGAGTTTGACCTCCCTGTCCCCGAAGGAAAGGCCCTGGAAAAGCCAGTGCTGGCTGAGC
CCCAGGAACCAGCTGCTTCTGTAGACACAGCTGGACCCGAGCCATCCTGCAGCCCAGCAGCAGGGGCAGC
AGTGCTCTCTCAGAGAGAAGAGGAAGCTGCTGCTGAGGGGGGCCCGGGAGATGCTCTTCTCGACAATGGC
GGTGTGTTGAACATGAACATGAGCAATGGGAGCAACCAGCAGCCCATTCACCCGGACAGCCGGCCTCCGA
TGGCCCCAAAAACCCATAGCCCAGTACCTGACATGAGCAAGTTTGCCACTGGAATAACACCCTTTGAATT
TGAGAACATGGCTGAATCCACTGGAATGTACCTCAGGATAAGAAACCTGTTGAAGAATTCACCCCGAAAT
CAGCAGAAAAACAAAAAGACTTGTGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

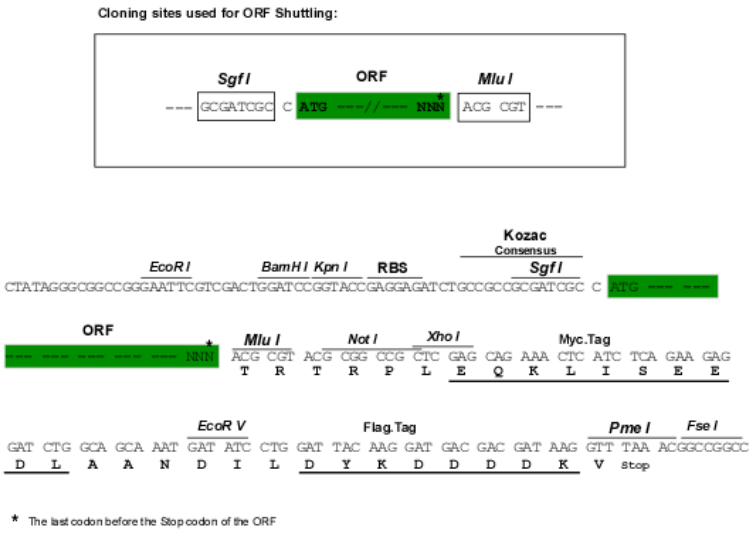
>MR222992 representing NM_027494
Red=Cloning site Green=Tags(s)

MAAGVDFGDLELFEAFDPPEESTPKPVHTRFKDDEEEEDDDDDENGVGDAELQEQLRRCEATIEQLRAEN
QELKRKLNILTRPSGILVSNTKIDGPLLQILFMNNAISKQYHQEIEEFVSNLVKRFEEQQKNDVEKTSFS
LLPQPSSVMLEEDHKVEESCAVKNNKEAFSVVGSVLYFTNFCLDKLGQPLLNENPQLTEGWEIPKYQQVF
SHIVPLEGQEMQVKAKRPKPHCFNCGSEEHQMKECPMPRNAARISEKRKEYMDACGEASGQSFQQRYHAE
EVEERFGRFKPGVISEELQDALGVTDKSLPPFIYRMRQLGYPPGWLKEAELENSGLALYDGNDDADGETE
TGEIQNKNVTYDLSKLVNYPGFNISTPRGIPDEWRMFGSIPMQACQQKDVFASYLNSNIQSPSMRSSGKR
SSSQSSPNSPKKQRKEGSAAASPADMELDSDVEIPPGSQSSKAFQFQPPLPPGTPPPLPQGTPPPLFTPP
LPKGTPPLTPSDSPQARPAASAMDEDALTLEELEEQQRQIWAALQQAEGGNGDSDVPGDTPLTGNSVASS
PCPNEFDLPVPEGKALEKPVLAEPQEPAASVDTAGPEPSCSPAAGAAVLSQREEEAAAEGGPGDALLDNG
GVLNMNMSNGSNQQPIHPDSRPPMAPKTHSPVPDMSKFATGITPFEFENMAESTGMYLRIRNLLKNSPRN
QQKNKKTCE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

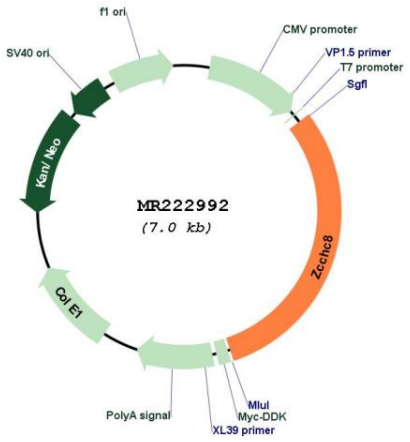
UniProt ID: Q9CYA6

Cytogenetics: 5 F

MW: 78.5 kDa

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 MR222992