

Product datasheet for **MR207490**

Zcchc8 (BC013555) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zcchc8 (BC013555) 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)



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ORF Nucleotide Sequence:

>MR207490 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAGGAATGCCAATGCCTCGGAATGCTGCTCGGATCAGTGAGAAGAGGAAAGAGTACATGGATGCCT
 GTGGCAGGCCAGCGCCAGAGCTTCCAGCAGCGCTATCATGCCGAAGAAGTAGAAGAGAGATTTGGAAG
 ATCAAGCCAGGAGTTATTAGTGAGGAACCTCAAGATGCACTGGGTGTGACAGACAAGAGTCTTCCCCCT
 TTCATCTACCGGATGCGCCAGCTGGGCTACCCACCGGGCTGGCTCAAGGAGGCTGAACTGGAGAATTCTG
 GACTTGCCTCTATGATGGAAACGATGACGCTGATGGGAAACAGAACTGGAGAAATACAGAATAAAAA
 TGTCACTACGATCTCTCAAATTTGGTAAACTATCCAGTTTTAATATCTACTCCAGAGGATTCCA
 GATGAATGGAGAATGTTGCGTTCATACCAATGCAGGCGTGTCAACAGAAGGATGTGTTTCCAGTTACC
 TTAATTCTAACATCCAGTCGCCGAGTATGAGATCTAGCGGCAAGCGGTCTTCTCGCAGTCCAGCCCTAA
 CAGTCAAAGAAGCAGCGAAAGGAGGGCAGTGCAGCGGCTCCCTGCCGACATGGAGCTAGACTCAGAT
 GTAGAGATTCCACTGGTCTCAGAGCAGCAAAGCATTTCAGTTCCAACCACCGTTGCCCTCCCGAACAC
 CGCTCCACTCCACAGGGAACCCCCGCTCTTTCACCCCTCCACTCCCTAAGGGAACCCACCACCT
 GACTCCAGTGACTACCCACAGGCCGACCCGACGCTCAGCCATGGATGAGGATGCCCTGACGCTGGAG
 GAGCTGGAAGAGCAGCAGAGGCAGATCTGGGCGGCTCTCCAGCAGGCCGAGGGAGGGAATGGCGACTCAG
 ATGTTCTGGAGACACCTTTAACTGGGAACTCAGTGGCTCTCCCGTGTCCAAACGAGTTTGACCT
 CCCTGTCCCGAAGGAAAGGCCCTGGAAAGCCAGTGTGGCTGAGCCCCAGGAACCAAGTCTTCTGTA
 GACACAGCTGGACCCGAGCCATCTGCAGCCAGCAGCGGGCAGCAGTGTCTCTCAGAGAGAAGAGG
 AAGCTGCTGTGAGGGGGCCCGGAGATGCTCTTCTCGACAATGGCGGTGTGTTGAACATGAACATGAG
 CAATGGGAGCAACCAGCAGCCATTCAACCGGACAGCCGCTCCGATGGCCCCAAAAACCCATAGCCCA
 GTACCTGACATGAGCAAGTTTGCCACTGGAATAACACCCTTTGAATTTGAGAACATGGCTGAATCCACTG
 GAATGTACCTCAGGATAAGAAACCTGTTGAAGAATTCACCCGAAATCAGCAGAAAAACAAAAGACTTG
 TGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207490 protein sequence
 Red=Cloning site Green=Tags(s)

MKECPMPRNAARISEKRKEYMDACGEASGQSFQQRHYAEVEERFGRFKPGVISEELQDALGVTDKSLPP
 FIYRMRLGYPPGWLKEAELENSGLALYDGNDDADGETETGEIQNKVNTYDLKLVNYPGFNISTPRGIP
 DEWRMFGSIPMQACQKQKDFVASYLNSNIQSPSMRSSGKRSSSQSSPNPKQRKEGSAASPADMELDSD
 VEIPPGSQSKAFQFQPPLPPGTPPPLPQGTTPPLFTPPLPKGTPPLTPSDSPQARPAASAMDEDALTE
 ELEEQRQIWAALQQAEGNGSDVPGDTPLTGNSVASSPCPNEFDLPVPEGKALEKPVLAEPQEPAAASV
 DTAGPEPSCSPAAGAAVLSQREEEAAAEGGPGDALLDNGGVLNMMSNGSNQQPIHPDSRPPMAPKTHSP
 VPDMSKFATGITPFEFENMAESTGMYLRIRNLLKNSPRNQKKNKKTCE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC013555

ORF Size: 1404 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: [BC013555](#), [AAH13555](#)

RefSeq Size: 2463 bp

RefSeq ORF: 1406 bp

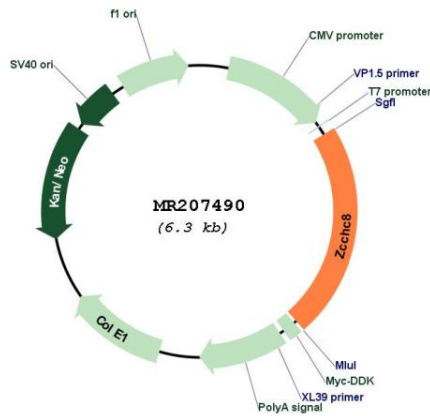
Locus ID: 70650

Cytogenetics: 5 F

MW: 50.4 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 MR207490