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Product datasheet for MG207490

Zcchc8 (BC013555) Mouse Tagged ORF Clone

Product data:

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

>MG207490 representing BC013555
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGGAATGCCCAATGCCTCGGAATGCTGCTCGGATCAGTGAGAAGAGGAAAGAGTACATGGATGCCT
GTGGCGAGGCCAGCGGCCAGAGCTTCCAGCAGCGCTATCATGCCGAAGAAGTAGAAGAGAGATTTGGAAG
ATTCAAGCCAGGAGTTATTAGTGAGGAACTTCAAGATGCACTGGGTGTGACAGACAAGAGTCTTCCCCCT
TTCATCTACCGGATGCGCCAGCTGGGCTACCCACCGGGCTGGCTCAAGGAGGCTGAACTGGAGAATTCTG
GACTTGCACTCTATGATGGAAACGATGACGCTGATGGGGAAACAGAAACTGGAGAAATACAGAATAAAAA
TGTCACCTACGATCTCTCAAAATTGGTAAACTATCCAGGTTTTAATATATCTACTCCCAGAGGTATTCCA
GATGAATGGAGAATGTTCGGTTCCATACCAATGCAGGCGTGTCAACAGAAGGATGTGTTTGCCAGTTACC
TTAATTCTAACATCCAGTCGCCGAGTATGAGATCTAGCGGCAAGCGGTCTTCCTCGCAGTCCAGCCCTAA
CAGTCCAAAGAAGCAGCGAAAGGAGGGCAGTGCGGCGGCCTCCCCTGCCGACATGGAGCTAGACTCAGAT
GTAGAGATTCCACCTGGTTCTCAGAGCAGCAAAGCATTTCAGTTCCAACCACCGTTGCCTCCCGGAACAC
CGCCTCCACTCCCACAGGGAACTCCCCCGCCTCTCTTCACCCCTCCACTCCCTAAGGGAACCCCACCACT
GACTCCCAGTGACTCACCCCAGGCCCGACCCGCAGCCTCAGCCATGGATGAGGATGCCCTGACGCTGGAG
GAGCTGGAAGAGCAGCAGAGGCAGATCTGGGCGGCTCTCCAGCAGGCCGAGGGAGGGAATGGCGACTCAG
ATGTTCCTGGAGACACACCTTTAACTGGGAACTCAGTGGCCTCCTCCCCGTGTCCAAACGAGTTTGACCT
CCCTGTCCCCGAAGGAAAGGCCCTGGAAAAGCCAGTGCTGGCTGAGCCCCAGGAACCAGCTGCTTCTGTA
GACACAGCTGGACCCGAGCCATCCTGCAGCCCAGCAGCAGGGGCAGCAGTGCTCTCTCAGAGAGAAGAGG
AAGCTGCTGCTGAGGGGGGCCCGGGAGATGCTCTTCTCGACAATGGCGGTGTGTTGAACATGAACATGAG
CAATGGGAGCAACCAGCAGCCCATTCACCCGGACAGCCGGCCTCCGATGGCCCCAAAAACCCATAGCCCA
GTACCTGACATGAGCAAGTTTGCCACTGGAATAACACCCTTTGAATTTGAGAACATGGCTGAATCCACTG
GAATGTACCTCAGGATAAGAAACCTGTTGAAGAATTCACCCCGAAATCAGCAGAAAAACAAAAAGACTTG
TGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

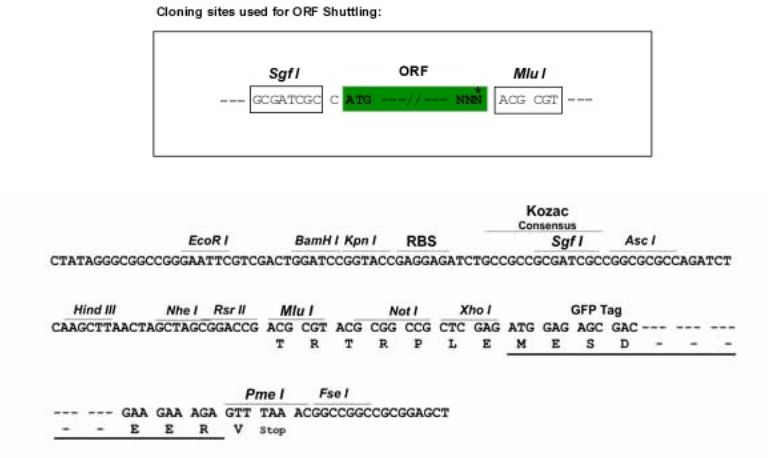
>MG207490 representing BC013555
Red=Cloning site Green=Tags(s)

MKECPMPRNAARISEKRKEYMDACGEASGQSFQQRYHAEEVEERFGRFKPGVISEELQDALGVTDKSLPP
FIYRMRQLGYPPGWLKEAELENSGLALYDGNDDADGETETGEIQNKNVTYDLSKLVNYPGFNISTPRGIP
DEWRMFGSIPMQACQQKDVFASYLNSNIQSPSMRSSGKRSSSQSSPNSPKKQRKEGSAAASPADMELDSD
VEIPPGSQSSKAFQFQPPLPPGTPPPLPQGTPPPLFTPPLPKGTPPLTPSDSPQARPAASAMDEDALTLE
ELEEQQRQIWAALQQAEGGNGDSDVPGDTPLTGNSVASSPCPNEFDLPVPEGKALEKPVLAEPQEPAASV
DTAGPEPSCSPAAGAAVLSQREEEAAAEGGPGDALLDNGGVLNMNMSNGSNQQPIHPDSRPPMAPKTHSP
VPDMSKFATGITPFEFENMAESTGMYLRIRNLLKNSPRNQQKNKKTCE

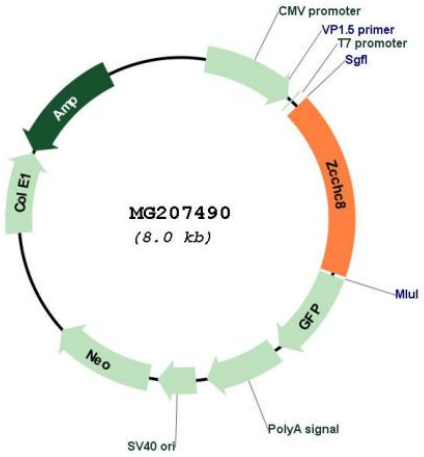
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	BC013555
ORF Size:	1406 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
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]