

## Product datasheet for **MG224635**

### Zfp710 (NM\_175433) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp710 (NM_175433) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zfp710
Synonyms:	5430400N05Rik; 9830165K13; A1324798; Znf710
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG224635 representing NM\_175433  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGGGAGCCAGGACCGCCAGGCGCGGACATCTATCAGCTGGCCTGTAATGGACGAGCCCTGGAAGAGC  
 CCCCGGAAGAGGAGGTGCTGGAGGTAGAGGCGGCCTTTGAGAAGCACACGCGGAGGAAGACACGGCCCC  
 TGTGAGGCTGGTACCAAGGTCAAGTTTGAAGAAGCAGAAGAGGAAGAGGAACAGGAGGTGTATGAGGTG  
 TCTGTGCCTGGTATGACAAAGACCCGGGCCCTGCAGAGGCCAGCCGAGGTGGCCAGCAGCGGTGCG  
 AGGCCCTGGTGCAGAGCAGTCCCGTCAAGATGATCGACCTCAGCGCCTTCAGCCGCAAGCCCGGACACT  
 CCGGCACTTCCGAGAATCCAAGGCCAGAGCTGGACATGGCCCCATTGATCCTCTTTCCAGATCCA  
 GCCCGGATGGCTTCCCGAGCCAGCATGGCACTACCTGGACCAGAGACTTTGCCACTGAATGTAGTT  
 TTGAGCCGCCACCTGGCCCCATTGAGCAATCCTGAGCCTCCCAACATGACATCGACGACAGAACTCGT  
 CAAACCAGAGCAGGGCTTCGTGTGGCAGGAGTCCAGCGAGTTCGAGGCTGACACGGCGGGTTCACAGTG  
 GAGCGCCACAAGAAGGCACAGCTGGACCGCTGGACATCAATGTGACATCGATGACTCCTACCTAGTGG  
 AGCGGGTGACCGCCAGAACGCTGGCAGTGTCCGATGTGCGAGAAGTCTACACATCTAAGTATAACCT  
 CGTGACGCACATCCTGGGCCACAACGGCATCAAGCCACACTCGTGTCCCACTGCAGCAAGCTCTTCAAG  
 CAGCCTAGCCACCTGCAGACGCACCTGTGACACACCAGGGCAGGAGGCCACAAAGTCCAGGTGTGCC  
 ACAAGGCTTCACTCAGACCAGCCACCTCAAACGCCACATGCTGCTGCACTCGGAGGTGAAGCCCTACAG  
 CTGTCACTTCTGTGGCCGGCTTCGCCTACCTAGCGAGCTCAAGGCCATGAGGTGAAGCAGGAGAGT  
 GGCCCTGCCATGTCTGTGCGAATGCGGCCTAGACTTCTCCACCCTGACCCAGCTCAAGCGCCACCTGG  
 CCTCCACAGGGCCCACTCTACCAGTGCCTTGAGTGTGACAAGTCTTCCACTACCCAGCCAGCT  
 ACAAACACATGCTCAAGCATCAGAATGTGCGGCCCTTCGTGTGCACTGAGTGTGGCATGGAGTTCAGC  
 CAGATCCATCACCTCAAGCAGCACTCTCTACCCACAAGGTGTGAAGGATTCAAGTGTGAGGTCTGTG  
 GCCGGGAGTTCACGCTGCAGGCCAATGAAGCGCCACATGCTGATCCACACCAGCGTCCGGCCCTACCA  
 GTGCCACATCTGCTTCAAGACCTTCGTGCAGAAGCAAACCTCAAGACCCACATGATTGTGCACTCGCT  
 GTGAAGCCGTTCAAGTGAAGGTGTGCGGGAAGTCTTCAACCGCATGTACAACCTGCTGGGTATATGC  
 ACCTGCACGCAGGAGCAAGCCATTCAAGTCCCGTACTGCTCCAGCAAGTTCACCTCAAGGGAAACCT  
 GAGCCGGCACATGAAGGTCAAGCAGCGCTCATGGACATCAGCCTGGACAGCCAAGACCCATGATGGAG  
 CTGGCAGGCCCTGACCCCTGAACTTGAACCATCAGGAGATGGAGGACTTCGAGGAAAACGCCTACA  
 CCTACAGCAGTGTGGACAGCAGCGGAGGCCAGCACCTCACTGAGCAGCCATGAAAGAGATGGCCTA  
 CTAACATGTGCTA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG224635 representing NM\_175433  
 Red=Cloning site Green=Tags(s)

MGEPGPPGPDIIYQLACNGRALEEPPEEEVLEVEAAFEKHTRRKTRPPVRLVPKVKFEKEEEEEQEYVEV  
 SVPGDDKDPGPAEAPAEVASSGCEALVQSSAVKIDLSAFSRKPRTLRLPRTPRPELDMAFPDPPFPDP  
 ARDGFPEPSMALPGPETLPTECSFEPPLAPLSNPEPPNMTSTTELVKPEQGFVWQESSEFEADTAGSTV  
 ERHKKAQLDRLDINVQIDDSYLVEAGDRQKRWQCRMCEKSYTSKYNLVTHILGHNGIKPHSOPHCSKLFK  
 QPSHLQTHLLTHQGRPHKQVCHKAFTQTSHLKRHMLLHSEVKPYSCHFCGRGFAYPSELKAHEVKHES  
 GRCHVCVEGLDFSTLTQLKRHLASHQGPITYQCLECDKSFHYRSQLQNHMLKHQNVPRPFVCTECGMEFS  
 QIHHLKQHSLSLTHKGVKEFKCEVCGREFTLQANMKRHMLIHTSVRYPYQCHICFKTFVQKQTLKTHMIVHSP  
 VKPFKCKVCGKSFNRYNLLGHMHLHAGSKPFKPCYSSKFNLKGNSRHMVKVHGVMDISLDSQDPMME  
 LAGPDPSELDNHQEMEDFEENAYTYSSVDSSAEASTLTEQAMKEMAYYNVL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

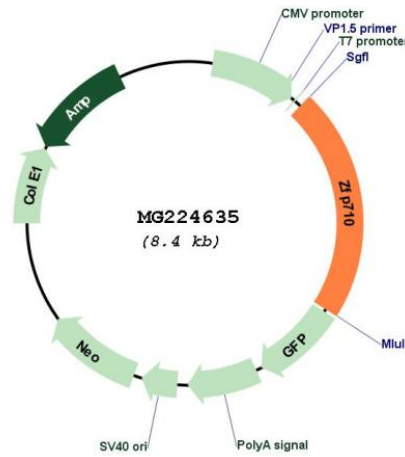
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM\_175433  
ORF Size: 1998 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_175433.4</a>
<b>RefSeq Size:</b>	4569 bp
<b>RefSeq ORF:</b>	2001 bp
<b>Locus ID:</b>	209225
<b>UniProt ID:</b>	<a href="#">Q3U288</a>
<b>Cytogenetics:</b>	7 D2
<b>Gene Summary:</b>	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]