

## Product datasheet for **MG209075**

### Zc3h14 (BC024824) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zc3h14 (BC024824) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zc3h14
Synonyms:	1010001P15Rik; 1700016A15Rik; 2700069A02Rik; AU014748
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG209075 representing BC024824  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAATCGGCACCGAGATCAGCCGAAGATCCGGAGTGCCATTAAGGGGAAATTACAAGAATTAGGAG  
 CTTACGTAGATGAAGAACTTCTGATTACATTATGGTGATGGTGGCCAACAAGAAAAGTCAGGACCAAT  
 GACAGAGGACCTGTCCTGTTTCTAGGGAAACAACAATTCGATTCACCGTATGGCTCCATGGTGATTA  
 GATAAACTGCGCTCTGTACGACTGAGCCCTCTAGTCTAAAGTCTCTGACGCCAGCATCTTCGATAGTC  
 ACGTGCCTTCAAACAAGAGCAGTTTCAGTCGGGGAGATGAGAGAAGGCACGAAGCTGCCGTCCTCCCT  
 TGCTGTTTCTAGTCTAGACCTGAAAAAGGGATTCCAGAGTTTCTACAAGTTCACAGGAGCAGAAATCC  
 ACTAATGTCAGACATTCATGATGATGGAGCTCCACCCGGCTAATGTCAACAGTGAACCTCTGAGGG  
 AACCAGCACCTCTGAAGATGTGATTGATATCAAGCCAGAACCAGATGATCTCATTGATGAAGACCTCAA  
 TTTTGTGCAGGAGAATCCCTTATCTCAGAAAAACCTACAGTGACACTTACATATGGTTCTCTCGCCCT  
 TCTATTGAAATTTATCGACCACCTGCAAGTAGAAATGCAGACACTGGTACTCACTTAAACAGGCTGCAAC  
 TTCATCCGCAGCAAAGCAGTGCTCACGCTGCCAAGCAGCTGGATGTACAAGCAGCCAGGTATCCGAAGC  
 AGGGCGGTTGTGTGAGCCACCACTGCTTAGCAGCGTAGAAGACACTTATAGCCCCCTTCTTCAGAAACAAC  
 TTGGATAAAATGAGTATTGAGGACGAAAACCTTCGAAAGAGAAAATTGCCTGTGGTAAGTTCCGGTTGTTA  
 AAGTAAAAGATTTAGCCATGATGGAGAAGAGGAGGAAGAAGATGAGGATTATGGGACCCGCATAGGAAG  
 CTTGTCCAGCAGCGTGTCACTACCAGCAAAGCCTGAGAGGAGACCTTCTCTCCACCTTCTAAACAAGCT  
 AACAGAATCTAATTTGAAGGCTATCTCTGAAGCTCAAGAGTCTGTAACAAGACAACCTAACTATTCTG  
 CAGTTCACAGAAAACAGACACTTCCAGTTGCTCCAGAACTCGAAGTCTCAAGAAGAATTGCTATGCAGA  
 AATGGTCCAGGGCAAAAACAGGGCCCCAGAATAAGTCCCCTGTTAAAGAAGAGGAAGCAAAAGGAGAT  
 AATACAGGAAAAAGTCAAGCCGAGATGACTGACCTGAGTGTGGCAGAAAACAGAAAAACTTCTGGAGC  
 GCTGCAAGTACTGGCCTGCCTGTAAAAATGGGGATGAGTGTGTATACCATCATCCCATTTACCTTGCAA  
 AGCCTTCCCAACTGTAAATTTGCTGAGAAATGTTTGTGTCATCCAAATTGTAATATGACACAAAAG  
 TGTAATAAGCAGATTGTCCCTCACTCACATGAGTAGAAGAGCCTCGATACTGACTCCAAAACAGTGT  
 CGTACCAGCACCGTCTTCTAATGGCCAGCTCTGCCGTTACTTCCCTGCTGTGAAGAAAATGGAATGTCC  
 CTTCTACCACCAAAACACTGTAGGTTTAACTACTAGTGTACGAGACCTGACTGCACATTTATCACCCC  
 ACCATTACTGTGCCACCAAGACACGCCTTGAAATGGATTGACCTCAGAGCAGTGAG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG209075 representing BC024824  
 Red=Cloning site Green=Tags(s)

MEIGTEISRKIRSAIKGKLQELGAYVDEELPDYIMVMVANKKSQDQMTEDLSLFLGNNTIRFTVWLHGVL  
 DKLRVSTTEPSSLKSPDASIFDSHVPSNKSSFSGDERRHEAAVPPPLAVSSSRPEKRDSRVSTSSQEKS  
 TNVRHSYDDGASTRLMSTVKPLREPAPSEDVIDIKPEPDDLIDEDLNFVQENPLSQKPTVTLTYGSSRP  
 SIEIYRPPASRNADTGTHLNRLQLHPQQSSAHAAKQLDVQSSQVSEAGRLCEPPVLSVEDTYSPPFRNN  
 LDKMSIEDENFRKRKLPVVSSVVKVRFSDGEEEEDEYDTRIGSLSSSVSVPKPERRPSLPPSKQA  
 NKNLILKAISEAQESVTKTTNYSVAVPQKQTLVPAPRTRTSQEELLAEMVQGNRAPRISPPVKEEEAKGD  
 NTGKSQAEMTDLVAQKPEKLLERCKYWPCKNGDECVYHHPISPCAFPNCKFAEKCLFVHPNCKYDTK  
 CTKADCPFTHMSRRASILTPKPVSSPAPSSNGQLCRYFPACKKMECPFYHPKHCRFNTQCTRPDCTFYHP  
 TITVPPRHALKWIRPQSSE

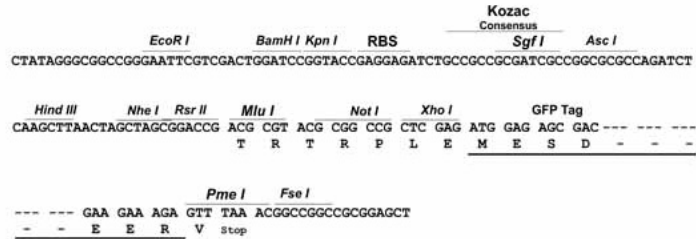
**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

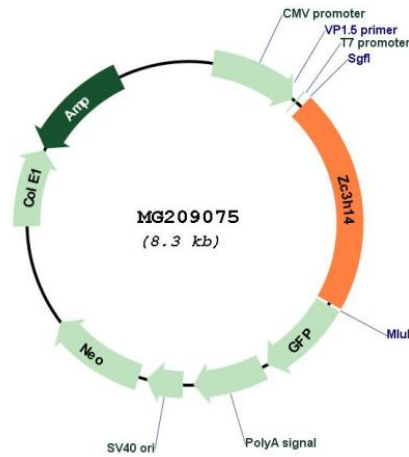
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC024824  
 ORF Size: 1739 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="#">BC024824</a> , <a href="#">AAH24824</a>
<b>RefSeq Size:</b>	2148 bp
<b>RefSeq ORF:</b>	1739 bp
<b>Locus ID:</b>	75553
<b>Cytogenetics:</b>	12 E
<b>Gene Summary:</b>	Involved in poly(A) tail length control in neuronal cells. Binds the polyadenosine RNA oligonucleotides.[UniProtKB/Swiss-Prot Function]