

Product datasheet for **MG209714**

Zfp64 (BC004695) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp64 (BC004695) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zfp64
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209714 representing BC004695
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAACGCGAGCGTGAAGGAGACACCTTTTCTGGATCGATGCAAATCCCAGGAGGCCACCGTGTCTGG
 TGGAGCTGGCACCAGACATCCACATCTGCGGCCTCTGTAAGCAGCACTTCAAGCAATCTGGATGCCTTTGT
 GGCCACAAACAGAGCGGCTGCCAGCTGACTACCAGCCGGTGACAGCCCCAGCACGGTCCAGTTTGTG
 GCAGAGGAGACAGAGCCTGCCACCAGACCACCACAACGACCATCAGTTCAGAGACTCAGACTATCACAG
 TTTTCAGCTCCAGAGTTCTCTTTGAACATGGCTACCAAACCTTACCTGCCACGGAGAGCACTGACAACCA
 GACAGCCACCGTGATCTCTCTCCCACCAAGTCACGCACCAAAAAGCCACAGCACCCCTGCTCAGAAG
 AGACTCGGCTGCTGCTATCCAGTTGCCAGTTCAGACCCGCTATGGCATGAAGGACATGGAGCGACACC
 TGAAGATCCACACCGGTGACAAACCCACAAGTGTGAGGTGTGCGGAAGTGCTTCAGCCGAAGGACAA
 GCTGAAGACGCACATGCGCTGCCACACGGGCGTCAAGCCCTACAAGTGAAGACGTGCGACTACGCGGCG
 GCGGACAGCAGCAGCCTTAAACAAGCACCTGCGCATCCACTCGGACGAGCGACCCTTCAAGTGCCAGATCT
 GTCCCTACGCCAGCCGCAACTCCAGCCAGCTCACCGTGCACCTGCGCTCGCACACGGCCTCTGTGCTCGA
 AAACGATGTCCAGAAACCGGCGGGCCTCCCTGCTGAAGAAAGCGATGCCAGCAGGCCCTCGAGTCACT
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 GTCATTTCAAACCGTTCATGGCATGAAAGATTTGACCGCCATCTAAGAATCCACACAGGCGACAAGCC
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 CACCCGGAGAAATGTCCCGAGTGTAGCTACTCTGCTCCAACCCAGCCGCCCTGCGCGTACACAGCAGAG
 TCCACTGCACGGACCGGCCCTTCAAATGTGACTTCTGCAGCTTTGATACAAAGCGGCCCAGCAGCCTGGC
 CAAACACATCGATAAGGTGCACAGAGAAGGCGCAAGACTGAGAACAGGGCCCTCCGGGAAGGATGGT
 CCCGGGGAGAGCGGCCCCACCAGTGCCAACGTGAGCACCCAGAGAGCCTTCGGATGCGACAAGTGGC
 GTGCCCTCTTTGTCCGGATGACTCTCTGAGGTGCCATCGGAAGCAGCATAGTACTGGGGCAGAACAA
 GAACTCAAACCTGGTCACTTTCCCTCAGAAGGCATTGCTACCGGCAGCTTGGCCCCCTGGTCTCCGTG
 GGGCAGCTGGAGAGCACTCTGGAGCCCAGCCACGACCTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG209714 representing BC004695
 Red=Cloning site Green=Tags(s)

MNASVEGDTFSGSMQIPGGTTVLVELAPDIHICGLCKQHFSNLDFAVHAKQSGCQLTTTTPTAPSTVQFV
 AEETEPATQTTTTTISSETQITIVSAPEFVFEHGYQTYLPTESDNTATVISLPTKSRTKKPTAPPAQK
 RLGCCYPGCQFKTAYGMKDMERHLKIHTGDKPHKCEVCGKCFSRKDKLKTMRCHTGVPYKCKTCDYAA
 ADSSSLNKHRLIHSRPFKQICPYASRNSSQLTVHLRSHTASVLENDVQKPAGLPAEESDAQAPAVT
 LSLEAKERTATLGERTFNCRYPGCHFKTVHGMKDLDRHLRIHTGDKPHKCEFCDKCFSRKDNLTMRCH
 TSVKPHKCHLCDYAAVDSSSLKHLRIHSRPFYKQQLCPYASRNSSQLTVHLRSHTGDTFPQCWLC
 FKISSLKRLHMIVHSGEKPFFKCEFCVDRCTMKNLKSIRIKHTFKCLHCAFQGRDRADLLEHRSRLHQAD
 HPEKCEPSYSCSNPAALRVHSRVHCTDRPFKDFCSFDTKRPSLAKHIDKVHREGAKTENRAPPKDG
 PGESGPHHVPNVSTQRAFGCDKCGASFVRDDSLRCHRKQHSWGENKNSNLVTFPSEGIATGQLGPLVSV
 GQLESTLEPSHDL

TRTRPLE – GFP Tag – V

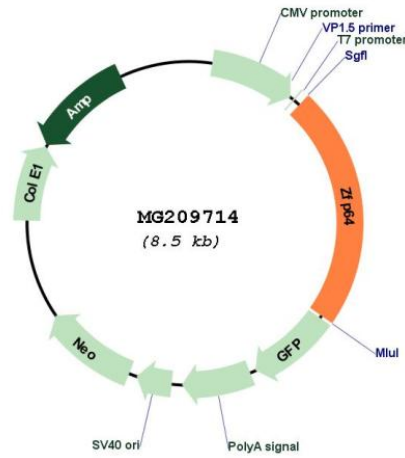
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC004695

ORF Size: 1931 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:	<ol style="list-style-type: none">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:	BC004695 , AAH04695
RefSeq Size:	2569 bp
RefSeq ORF:	1931 bp
Locus ID:	22722
Cytogenetics:	2 88.99 cM