

Product datasheet for **MG208576**

Zfp647 (NM_172817) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Zfp647
Synonyms:	6030449J21; Es492; Znf250
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >MG208576 representing NM_172817
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCAGCAGCGGGCTTCTACCGCTGCCAGCAGCACAGGCCAAAGTGACCTTTGAGGATGTGGCTG
 TTCTGCTGTCTCAGGAGGAGTGGGCCCGCTGGGCCCTGCTCAGCGGGGCTCTACCGACACGTCATGAT
 GGAGACCTACGGGAATGTAGTCTCACTGGGACTTCCAGGATCTAAGCCTGTTGTGATCTCCAGCTGGAG
 CGAGGAGAAGACCGTGGGTCTGGATGGACAGGAACCGAGCTGAGCCAGAGCCTGGGAAGTGACCACT
 CAGAATGCAAAGCCAAGGAAGAGAACCAACACAGACTTGAATGTGCCACCATTAATCTCAGACGAAGC
 ATCAGCGACGCTGACGGAAACACCGCTGAGGAAGGTTGCTGAAGAAGCTTACAAACAGAACCGAAGGTC
 TGCCCCAGTCCAAAGCCATTGGCCCCAGAATGCCACGGGTTGAACCTAGTGTACCCGTTGCCCGAC
 CCCAGACGGCTCCAGTGTGAGAGACCTATATCTGCATTGAGTGTGAAAGTGCTTTGGTCGGAGCTC
 CCATCTCTTCAGCATCAGCAATACACTGGCGAGAAGCCCTACGTATGCCATGTATGCGAAAGGCT
 TTCAGCGAGAGTTCGCTCTGAGCAAGCACAGGCGGATCCACACGGGCGAGAAGCCCTACGAGTGTAAACG
 AATGTGGGAAAGCCTTTGCGGTGAGTTCGACCTTGCCAGCACCACAAGATCCACACCGGAGAGAAGCC
 TCACGAGTGTCTGGAATGTGGGAAGGCGTTACCCAGCTCTCCACCTCATCAACATCAGCGGATCCAC
 ACGGGGAGCGGCCCTACGTGTGTCCTTGTGTGGGAAAGCCTTCAACACAGCAGCGTCTGCGGAGCC
 ACCAGAGGGTGCACACTGGGGAGAAGCCTCACGGGTGACGCGAGTGTGGGAAGACCTTCAGCGTGAAGAG
 GACGCTGCTGACGACCAAGCGGTGCACACGGGGAGAAGCCCTACACGTGACGCGAGTGCGGGAAGGCC
 TTCAGCGACCGCTCCGTGCTCATCAACATCACAACGTACACACTGGGGAGAAGCCGTACGAGTGCAGCG
 AGTGGCGCAAGACCTTTAGCCACCGCTCCACCCTGATGAATCACGAGAGGATTCACACGAGGAGAAGCC
 CTACGCGTGTACGAGTGCAGGGAAGCCCTTTGTCCAGCACTCGCATCTCATCCAGCATCAGAGAGTCCAC
 ACGGGAGAGAAACCTACGTGTGTGGCGAGTGTGGCCATGCTTTCAGCGCACGCGCGTCCCTGATCCAGC
 ATGAGCGAATCCACACAGGCGAGAAACCCCTTCAGTGCACAGAGTGTGGCAAAGCCTTCAGCCTGAAAGC
 AACTCTGATCGTGACCTGAGGACCCACAGGGCGAGAAACCTATGAGTGCAATAGCTGCGGCAAGGCG
 TTCAGCCAGTACTCGGTGCTCATCAACACCAGAGGATCCACACGGAGAGAAACCCCTATGAGTGTGGCG
 AGTGGGACGCGGCTTCAACAGCACGCGCCACCTGATCCAACATCAGAAAGTACACAAGAAGCTG

AGCGGACCGACGCTACGCGGCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG208576 representing NM_172817
 Red=Cloning site Green=Tags(s)

MAAAGLLPLPAAPQAKVTFEDVAVLLSQEWARLGPAQRGLYRHVMMETYGNVVSLLGLPGSKPVVISQLE
 RGEDPWVLDGQGTLSQSLGSDHSECKAKEENQNTDLNVPPLISDEASATLTETPLRKVAEERYKTEPKV
 CPSPKPIGPQNAHGLNPSVPVARPQTAPSVERPYPICIECGKCFGRSSHLLQHQRHITGEKPYVCHVCGKA
 FSQSSVL SKHRIHTGEKPYECNECGKAFRVSSDLAQHHKIHTGEKPHECLECGKAFQLSHLIQHQRH
 TGERPYYVPLCGKAFNHSTVLRSHQRVHTGEKPHGCSECGKTF SVKRTLLQHQRVHTGEKPYTCSECGKA
 FSDRSVLIQHNVHTGEKPYECSECGKTF SHRSTLMNHERIHTQEKPACYECGKAFVQSHLIQHQRVH
 TGEKPYVCGEGHAFSARRSLIQHERIHTGEKPFQCTECGKAFSLKATLIVHLRHTGEKPYECNSCGKA
 FSQYSVLIQHQRHITGEKPYECGEGRAFNQHGHLIQHQVHKKL

SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_172817

ORF Size: 1605 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.

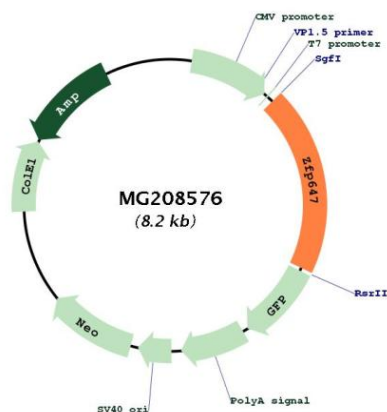
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_172817.3](#), [NP_766405.2](#)

RefSeq Size: 2214 bp

RefSeq ORF:	1608 bp
Locus ID:	239546
UniProt ID:	Q7TNU6
Cytogenetics:	15 D3
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG208576