

Product datasheet for **MG210473**

Zfp458 (NM_001001152) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp458 (NM_001001152) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zfp458
Synonyms:	BC062958; mszf59-2; Rslcan-7; Znf728
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG210473 representing NM_001001152
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGAGGACATGTTGTCATTCTGGGATGTGGCTATATATTTCTCTGCAGAGGAGTGGGAATGTCTGGGTC
CTGCTCAGTGGAACTGTACAGGGACGTGATGCTGGAGAATTACAGCAACCTTGTGTTCTGGGCTTTGC
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CCTACCACAGTGAAGTGTGTGGCAAGGCCTTCAGTATTATCATCAAGAATTTCAAAGATAAGAAAAATTTG
TACAGGAGAGAAAACCA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG210473 representing NM_001001152
 Red=Cloning site Green=Tags(s)

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MEDMLSFWDVAIYFSAEEWECLGPAQWKLYRDVMLENYSNLVFLGLASSKPYLVTFLEQIQEPSDVKRQA
AITVHPGGKCYTCKEKGFEHKKVYQNHRIHLRVKSYKCEECGKSFRFPSSL SAHKRNHTGQKPYNCE
ICSAFHVPSLLSVHKRIHRVQKPKYKSEYDYGKTLHCPSLLSQHKIVHTGEKPYQCEDLGKAFRYPSSLN
HKKIHTGEKPHKCEVCGKAFDYPSSL SNHKRIHTGEKPYKCEVCGKAFHDPSKLSQHKIHTGEKPYKCE
VCGKTFHYPSILSKHKIHTKENLCKCDICGKAFHYPLLLSQHKIVHTGEKPYKCEDCGKAFYYPSSLR
HKKIHTGEKPYKCEVCGKAFYYSILSKHMI VHTENPYKCEVCGKAFDYPSSL SNHKKIHTEDKPHKCE
VCGNAFCSSSLRKHKIHTGEKPYKCDICGKAFGSPSSL SKHNKIHTEDKPYKCEVCGKAFHPSLLL
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PKTIKTGEKPNKCEICGKAFSFPSSL SIHKRIHIGEKPNCEVCGKAFRNPSSL SNHKKIHTGEKPYKCE
ICGKAFDYPSSL SKHKIHTGEKPYHSEVCGKAFSYSSRISKDKKICTGEKP
  
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TRTRPLE - GFP Tag - V

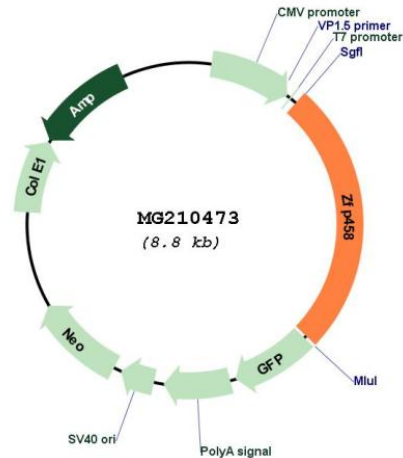
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001001152

ORF Size: 2256 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: [NM_001001152.1](#)

RefSeq Size: 3488 bp

RefSeq ORF: 2259 bp

Locus ID: 238690

UniProt ID: [Q6P5C7](#)

Cytogenetics: 13 34.54 cM