

Product datasheet for **MG213125**

Zfp72 (NM_001081680) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp72 (NM_001081680) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zfp72
Synonyms:	Zfp74
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG213125 representing NM_001081680, **codon optimized**.
Due to the complexity of NM_001081680, the ORF clone is codon optimized for mammalian Expression.
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGCTGGAGAACTACAGTAACCTTGTAGCCTCGGACTGGCCTTCTCAAACCTTATCTGGTGACATTCC
 TTGAGAAACGCCAGCAGTCATGGGATGTGAAACAGCAGGCTACCGTGGCTACATATCCCGGCACTAAGCC
 CTACAAAATAAAGGAATGTAATAAGACTTTCGTGCGGAAAAGCCTGCTGATCCAGCATCAGCGCGTGCAC
 ACAGGTGAGAAACCTACAAATGTGAGCAGTGCAGCAAGGCATTCTTTCAGCAGCAGTCTGACGCCTC
 ACCAGAGAATCCACACTGGGGAAAAACCTTATAAGTGCAGCAGTGTGGGCAAGCCTTCAATTGCAGCAG
 CCACTTGTATAAGCATCAGAGGATCCATACAGGGGAGAAAACCTTACAAGTGTCCAGAGTGTGGCAAAGCC
 TTCAATTGGAGCTCAAGCCTTACGCAGCATCAGAGAATCCACAGCGGTGAGAAAACCTACAAGTGCAGG
 AGTGCAGGCTCAGTTTCAACTGTAGCCATCTCTACAGACATCAGCGCATTACATACGGGTGAGAAAACCTT
 CAAATGCGAGGAGTGCAGAAAGGCTTCAACTGCAGCTTATCTCAACTACCACAGATACTGCATACA
 GGTGACAAGCCCTACAAATGTGCGAATGCGGCAAGGCATTACCATGGTGTCTACCTGACCAGACACC
 AGAGGATCCATACCGGTGAGAAGCCTTACAAGTGAAGGAATGTGACAAGGCCTTCTCAACTGCAGTGC
 ACTTATCCAACACCAAAGAATCCACAGGTGAGAAGCCCTACAAGTGCAGCAGTGTGGCAAGGCCTT
 AACAAACAGTAGCTCTCTGACCCATCATCAACGCATCCACACCGGAGAAAAGCCTTACGAATGCAAGGAAT
 GTGGGAAGGCGTTAATTCCTCCAGTCTCTGAACTATCACACCGGATTACACCGGGGAAAAGCCATA
 TAAATGCGAGGAATGCTCAAAGGCTTCAATAACTTCTCCGCACTGATCCAACACCAGAGAATCCACACA
 GGGGAAAAGCCTTACAAGTGCAGAAAAGTCTCAAAGGCTTCAATAACTGTTCTGCTCTCTCACAAATC
 AGAGGATTCACACCGGCGAAAACCATACAAGTGTGAGAAATGCGGTGAGGGCTTCAACTGTTCCAGTAA
 CCTGAAACAACACCAGAGAATCCACACGCGGAGAGCTGTATTCATGTGAAGATTCAGGAAAAGCCTTC
 AATAATGGAGAGGCGCTGCCTCAGTATCACAGAATTCATACCTAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG213125 representing NM_001081680
 Red=Cloning site Green=Tags(s)

MLENYSNLVSLGLAFSKPYLVTFLEKRQSQSDVVKQATVATYPGTPKYKYKECNKTFVRKSLLIQHQRVH
 TGEKPYKCEQCGKAFSCSSSLTPHQRIHTGEKPYKCEQCGQAFNCSSHL YKHQRIHTGEKPYKCECGKA
 FNWSSSLTQHQRISGKPYKCEECGLSFNC SHLYRHQRHTGEKLYKCEECGKAFNCSSYLNHYQILHT
 GDKPYKCECGKAFMTVSYLTRHQRIHTGEKPYKCECKDKAFSNCSALIQHQRHTGEKPYKCECGKAF
 NNSSSLTHHQRIHTGEKPYECKEKGKAFNSSSHLNYHHRHTGEKPYKCEESKAFNNFSALIQHQRHT
 GEKPYKCEKSKAFNNCSALSQHQRHTGEKPYKCEKCGQGFNCSSNLKQHQRHTREKLYSCEDSGKAF
 NNGEALPQYHRIHTY

TRTRPLE – GFP Tag – V

Restriction Sites:

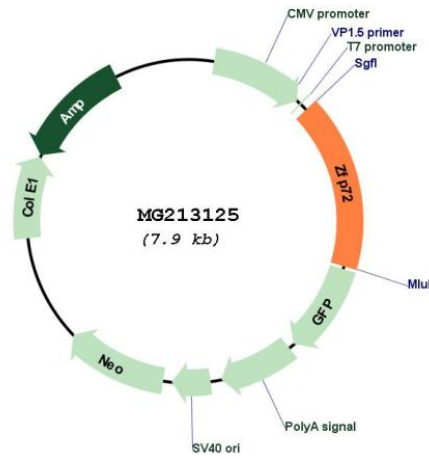
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_001081680
ORF Size:	1305 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:	NM_001081680.1 , NP_001075149.1
RefSeq Size:	1629 bp
RefSeq ORF:	1308 bp
Locus ID:	238722
Cytogenetics:	13 C1