

Product datasheet for **MG203929**

Zfp42 (NM_009556) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Zfp42 (NM_009556) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Zfp42
Synonyms: Rex-1; Rex1; Zfp-42
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG203929 representing NM_009556
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATGAACAAAAATGAATGAACAAATGAAGAAAACGGCAAAGACAAGTGGCCAGAAAGGGCCGGCG
GAAGAGCCCTCGACAGACTGACCCTAAAGCAAGACGAGGCAAGGCCAGTCCAGAATACCAGAGTGGAAAGC
TCCCCGTGTAACATACACCATCCGGGTGAAAGTGAGATTAGCCCCGAGACTGAGGAAGATGGCTTCCCT
GACGGATACCTAGAGTGCATCATACGAGGTGAGTTTTCCGAACCCATTCTGGAAGAGGATTTCTTTTTTA
AATCCTTCGAAAGCTTGGAGGAAGTGGAGCAAAACCTTTCTCGCCAGGTTCTGGAAGCGAGTTCCTTCT
CGAGTCTTCTTTGGAGTACATGACAAAGGGGACGAAGCAAGAGAAGACAGAGGTCACGCAAGAGACCCCT
CCGCTGAGGGTTGGGGCAGCTCATTACTTGCAGGCGGCCCTGCAGAGAAGCCAGAGGGCGGTGTGTACT
GTGGTGTCTTATCGATGCTGGAGTGTCCCTCAAGCCGGGTGCAAGAAGAAGCTGAGGGGTAACCCGCCCT
GAGGAAGCACATGCTTGTCCACGGGCCCGGGCACGTGTGTGCAGAGTGTGGCAAAGCCTTCACGGAG
AGCTCGAAACTAAAGCGACATTTTCTGGTGCACACCGGAGAGAAGCCGTATCAGTGCACGTTTCAAGGCT
GTGGGAAGCGTTTCTCCCTGGATTTCAACTTGCACCCACATCCGCATCCACACCGGGGAGAGGGCGCTT
TGTGTCTCTTTTGTATGGCTGCGAGAAGAGCTTTATTTCAGTCAAATAACCCAGAAGATTCACATCTAACC
CACGCAAAGGCAGGGAAGAAATGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203929 representing NM_009556
Red=Cloning site Green=Tags(s)

MNEQKMNEQMKKTAKTSGQKGPGRALDRLTLKQDEARPVQNTTRVEAPRVTYTIRDESEISPETEEDGFP
 DGYLECIIRGEFSEPILEEDFLFKSFESLEEVEQNLSRQVLEASSLLESSLEYMTKGTKQEKTEVTQETP
 PLRVGASSLLAGGPAEKPEGGVYCVLSMLECPQAGCKKKLRGKTALRKHMLVHGPRRHVCAECGKAFTE
 SSKLKRHFLVHTGEKPYQCTFEGCGKRFSLDFNLRTHIRIHTGERRFVCPFDGCEKSF IQSNNQKIHILT
 HAKAGKKC

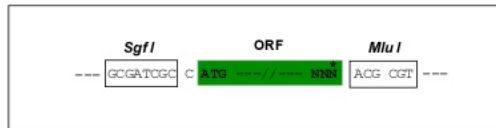
TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja2681_e03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_009556

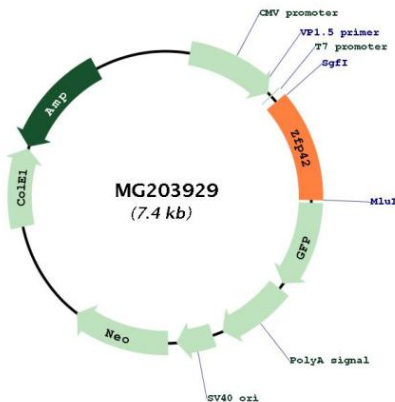
ORF Size: 864 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_009556.2 , NP_033582.1
RefSeq Size:	1816 bp
RefSeq ORF:	867 bp
Locus ID:	22702
UniProt ID:	P22227
Cytogenetics:	8 23.89 cM
Gene Summary:	Involved in the reprogramming of X-chromosome inactivation during the acquisition of pluripotency. Required for efficient elongation of TSIX, a non-coding RNA antisense to XIST. Binds DXPas34 enhancer within the TSIX promoter. Involved in ES cell self-renewal. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG203929