

Product datasheet for **MG202323**

Zfyve21 (NM_026752) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfyve21 (NM_026752) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zfyve21
Synonyms:	1110013H04Rik; AW558780; C85416
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202323 representing NM_026752 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGCCGGAGCACCGCCTTCGGAAGCCCTTCGGCTTGGAGGAGCCGAGTGGTTCCGGACAAGG
AGTGCCCAAGATGTATGCAATGTGATGCCAAGTTTGACTTCATCACCAGAAAGCATCACTGCCGCCGCTG
TGGGAAGTGCTTCTGCGACAGGTGCTGCAGCCAGAAGGTGCCACTTCGGCGCATGTGCTTCGTGGACCCA
GTGCGCCAGTGTGCTGACTGTGCCCTGGTGTCCACCGAGAGGGGAGTTTTATGACAAGCAGCTGAAGG
TGCTCCTAAGTGGAGCTACCTTCCTTGTACTTTTGGGGACTCAGAGAAGCCCGAGACCATGGTTTGTCTG
TCTTTCCAACAACCAGAGGTGCTTGGTTCTGGATGGGGACAGTCATCGTAAATCGAGATTGCACATGTC
TGTAAGTTCAGATTCTCACCGAAGGCTTCACTCCTGGAGCAGGCAGCACCAGGACTGGCATGCTCC
TGCAAGAGGCAGGCAGCAGCGTGGCTGGCAGCCATGCACAAGGCTACCAAGCTCCTCTATGAATCACGA
GACCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202323 representing NM_026752
 Red=Cloning site Green=Tags(s)

MVPEHRAFGSPFGLLEEQWVPDKCEPRCMQCDAKFDFITRKHHCRRCGKCFCDRCCSQKVPLRRMCFVDP
 VRQCADCALVSHREAEFYDKQLKVLVLSGATFLVTFGDSEKPEMVCRLSNNQRCLVLDGDSHREIEIAHV
 CTVQILTEGFTPGAGSTRATGMLLQYTVPGAEEAAQLRLMAGEDASGSKRQAAAWLAAMHKATKLLYESR
 DQ

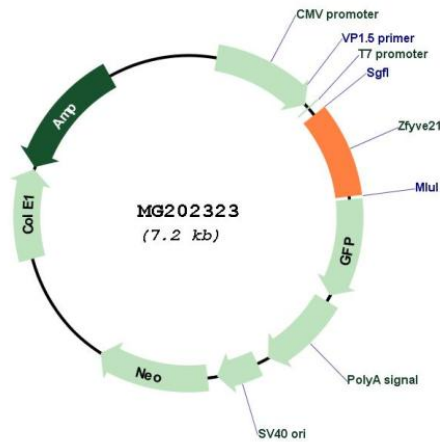
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_026752

ORF Size: 636 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_026752.2 , NP_081028.2
RefSeq Size:	1286 bp
RefSeq ORF:	705 bp
Locus ID:	68520
UniProt ID:	Q8VCM3
Cytogenetics:	12 F1
Gene Summary:	Plays a role in cell adhesion, and thereby in cell motility which requires repeated formation and disassembly of focal adhesions. Regulates microtubule-induced PTK2/FAK1 dephosphorylation, an event important for focal adhesion disassembly, as well as integrin beta-1/ITGB1 cell surface expression (By similarity).[UniProtKB/Swiss-Prot Function]