

Product datasheet for **RG216037**

ZFY (NM_003411) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZFY
Synonyms:	ZNF911
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG216037 representing NM_003411
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGATGAAGATGAATTTGAATTGCAGCCACAAGAGCCAACTCATTTTTGATGGAATAGGAGCTGATG
CTACACACATGGATGGTGATCAGATTGTTGTGGAATACAAGAAGCAGTTTTTGTCTAATATTGTGGA
TTCTGCATAAAGTGCATAAATTTGTTCTGATGACCCAGACTCAGTTGTAATCCAAGATGTTGTTGAA
GATGTTGTCATAGAGGAGGATGTTCAAGTCTCAGATATCTTAGAAGAGGCAGATGTATCTGAAAAATGTC
TCATTCCTGAGCAAGTCTGGACTCAGATGTAAGTGAAGAAGTTCTTTACCACACTGCACAGTCCCAGA
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CTGTGAGTATAGCACTACAGATGCCTCAGGCTTTAAACGGCACGTTATTTCCATTATACAAAAGACTAT
CCTCATCGGTGTGAGTACTGCAAGAAAGGCTTCCGAAGACCTTCAGAAAAGAACCAGCACATAATGAGAC
ACCATAAAGAAGTTGGTCTGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG216037 representing NM_003411

Red=Cloning site Green=Tags(s)

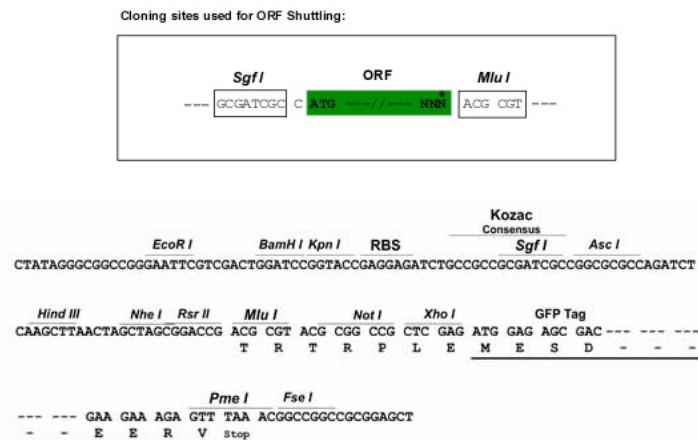
MDEDEFELQPQEPNSFFDGIGADATHMDGDQIVVEIQEAVFVSNIVDSITVHNFVPDDPDSVVIQDVVE
DVVIEEDVQCSDILEEADVSENVIIPEQVLDSDVTEEVSLPHCTVPDDVLASDITSTSMPEHVLTS
MHVCDIGHVEHMHVDSVVEAEIITDPLTSDIVSEEVLADCAPEAVIDASGISVDQQDNDKASCEDYLM
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LDQNSSIRVPREKMVYMTVNDSSQDEEDLNVAEIADEVYMEVIVGEEDAATAAAAAAAVHEQQIDEDEMT
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LSRHILSVHTKDLPRCKRCRKGRQNELKKHMKTHSGRKVYQCEYCEYSTTASGFKRHVISIHTKDY
PHRCEYCKGFRPSEKQIMRHHKEVGLP

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_003411

ORF Size:

2403 bp

OTI Disclaimer:

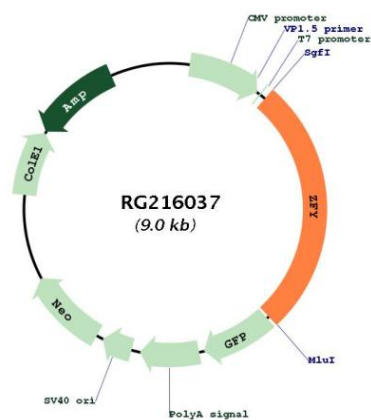
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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_003411.4
RefSeq Size:	4556 bp
RefSeq ORF:	2406 bp
Locus ID:	7544
UniProt ID:	P08048
Cytogenetics:	Yp11.2
Domains:	Zfx_Zfy_act, zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a zinc finger-containing protein that may function as a transcription factor. This gene was once a candidate gene for the testis-determining factor (TDF) and was erroneously referred to as TDF. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG216037