

Product datasheet for **RG217244**

ZNF2 (NM_001017396) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF2 (NM_001017396) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF2
Synonyms:	A1-5; Zfp661; ZNF661
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG217244 representing NM_001017396 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGAGAACTATAACAGCATTGTGTCATTGGGCCTCCAGTTCCTCAACCTGATGTGATTTTCCAAT
TGAAGAGAGGGGACAAGCCGTGGATGGTAGATCTTCATGGGTCTGAGGAGAGAGAATGGCCAGAGAGTGT
CTCTCTAGACTGGGAACTAAGCCTGAGATTACGATGCTTCAGACAAAAATCAGAAGGATCATTGAGG
GAATGCCTTGAAGGCAAAGTCTCTGTGTCCTAAATTTGAAGTTCATACACCAATGCCAGGATGGGAA
CAGAAAAGCAAAGCCCTCAGGGGAGACTCGTAAGAAATCCCTCTCCCGGACAAAGGCTTGCGGCGACG
GTCAGCCCTGTCCAGGAAATTCCTCACTAAAGAGAGACACCAGGAATGCAGTGACTGTGGGAAAGACCTTT
TTTGACCACTCATCCCTCACCCGCCATCAGAGGACTCACACTGGGGAGAAGCCCTACGACTGCCGCGAGT
GTGGGAAAGCCTTCAGCCACAGGAGCAGCCTCAGCAGACATCTGATGTCACACACTGGGGAGAGCCCTA
CGAGTGCAGTGTGTGCTCAAAGCCTTCTTTGACCGTTCGTCCCTAACTGTCCATCAGCGAATTCACACT
GGAGAGAAACCCCTTCAGTGCAACGAGTGTGGAAAAGCCTTTTTTGACCGTTCATCCCTTACTCGACACC
AGAGAATTCACACTGGAGAAAGTCTTATGAATGTCATCAGTGTGGGAAAGCCTTAGCCAGAAAAGTAT
TCTTACTCGCCATCAGCTAATCCACACTGGCAGGAAGCCTTATGAGTGTAAAGAGTGCGGGAAAGCTTTC
TATGGTGTCTCGTCTCTGAATAGACATCAGAAAGCTCATGCTGGGACCCTCGATCAGTGTAAACGAGT
GTGGCAAAGCTTTCTTTGACCGCTCATCCCTTACACAGCATCAGAAGATCCACACTGGAGACAAGCCATA
TGAATGCAGCGAATGCGGAAAGCCTTTAGCCAGCGGTGCCGGCTCACGGGCATCAGCGTGTCCACAGG
GGAGAGAAGCCCTTTGAATGCACTGTGTGTGGGAAAGTTTTAGTTCAAATCTTCTGTTATTCAACATC
AACGGCGTTACGCCAAACAGGGAATAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG217244 representing NM_001017396
Red=Cloning site Green=Tags(s)

MLENYNSIVSLGLPVPQPDVIFQLKRGDKPMMVDLHGSEERWPEVSVDWETKPEIHSDADKKSEGLR
 ECLGRQSPLCPKFEVHTPNGRMGTEKQSPSGETRKKSLSRDKGLRRRSALSREILTKERHQECSDCGKTF
 FDHSSLTRHQRTHTEKPYDCRECGKAFSHRSSLSRHLSHTGESPYECSVCSKAFFDRSSLTVHQRHT
 GEKPFQCNCECGKAFFDRSSLTRHQRHTGESPYECHQCGKAFSQQSILTRHQLIHTGRKPYECNECGKAF
 YGVSSLNRHQKAHAGDPRYQCNECGKAFFDRSSLTQHQLIHTGDKPYECSECGKAFSQRCLTRHQRVHT
 GEKPFECTVCGKVFSSKSSVIQHQRRYAKQGID

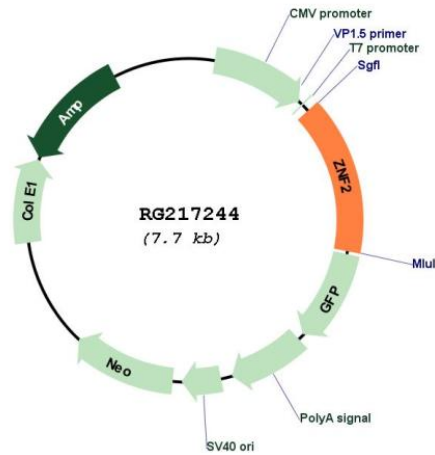
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001017396

ORF Size:	1149 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_001017396.3
RefSeq Size:	3879 bp
RefSeq ORF:	1152 bp
Locus ID:	7549
UniProt ID:	Q9BSG1
Cytogenetics:	2q11.1
Protein Families:	Transcription Factors
Gene Summary:	The protein encoded by this gene belongs to the C2H2-type zinc-finger protein family. The exact function of this gene is not known, however, zinc-finger proteins are known to interact with DNA and function as transcription regulators. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2014]