

## Product datasheet for **RG224371**

### ZNF217 (NM\_006526) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF217 (NM_006526) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF217
Synonyms:	ZABC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG224371 representing NM_006526 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAATCGAAAGTGACAGGAAACATGCCAACTCAATCCCTCTTAATGTACATGGATGGCCAGAAGTGA  
TTGGCAGCTCTTTGGCAGTCCGATGGAGATGGAGGATGCCTTGCAATGAAAGGGACCGCTGTTGTTCC  
ATTCGAGCTACACAAGAAAAAATGTCATCCAAATCGAGGGTATATGCCCTTGGATTGCATGTTCTGC  
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TTTGATGTTGAGATCCACATGAGAACACACAAAGATTCTTCACTTACGGGTGTAACATGTGCGGAAGAA  
GATTCAAGGAGCCTTGGTTTCTTAAAAATCACATGCGGACACATAATGGCAAATCGGGGGCCAGAAGCAA  
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ATCTCTCTCCTTACAAAATCTGCATGGTTTGTGGCTTCTATTTCCAAATAAAGAAAGTCTAATTGAGC  
ACCGCAAGGTGCACACCAAAAAAATGCTTTCGGTACCAGCAGCGCGCAGACAGACTCTCCACAAGGAGG  
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TACATCTCAAGAGAGTAGTATTGTGAAAGTTTTCCGTTCAAATTATTACCTCAATATTCATCTC



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AGAACGCATACAGGTGAAAAACCATACAAATGTGAATTTTGTGAATATGCTGCAGCCCAGAAGACATCTC
TGAGGTATCACTTGGAGAGACATCAAGGAAAAACCAACCGATGTTGCTGCTGAAGTCAAGAACGATGG
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CCAATTACAGAAGAGGCTATGACCTTCCCAAGTACCATATGGTCAGAGGCATCACATCACTGTTACCGCA
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GTCCAGCATCCAGCTCGACGTTAGAAGGAAAAAGCCCTGTGTATCAACACTTATCTAACAGCATGGC
ACAAAAGAGAAACTATGAGAATTTATTGGGAATGCACATTATCGACCAATGACAAAAAACT

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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG224371 representing NM\_006526  
 Red=Cloning site Green=Tags(s)

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MQSKVTGNMPTQSLLMYMDGPEVIGSSLSGSPMEMEDALSMKGTAVVPFRATQEKNIQIEGYMPLDCMFC
SQTFTHSEDLNKHVLMQHRPTLCEPAVLRVEAEYL SPLDKSQVRTEPPKEKNCKENEF SCEVCGQTFRVA
FDVEIHMRTHKDSFTYGCNMGRRFKEPWF LKNHMRTHNGKSGARSKLQQGLESSPATINEVVQVHAAES
ISSPYKICMVCGLFPNKESLIEHRKVHTKKTAFGTSSAQTDSPQGGMPSSREDFLQLFNL RPKSHPETG
KKPVRCIPQLDPFTTFQAWQLATKGKVAICQEVKESGQEGSTDNDSSSEKELGETNKGSCAGLSQEKEK
CKHSHGEAPSV DADPKLPSSKEKPTHCEGKAFRTYHQLVLSRVHKKDRRAGAESPTMSVDGRQPGTC
SPDLAAPLDENGAVDRGEGGSEDGSEDGLPEGIHL DKNDDGGKIKHLTSSRECSYCGKFFRSNYLNIHL
RTHTGEKPYKCEFC EYAAAQKTS LRYHLERHHKEKQTDVAAEVKNDGKNQDTE DALLTADS AQTKNLKR
FDGAKDVTGSPPAKQLKEMPSVFQNLVLSAVLSPA HKDQDFHKNAADDSADKVNKNPTPAYLDLLKKRS
AVETQANNLICR TKADVT PPPDGSTTHNLEVS PKEKQTE TAADCRYRPSVD CHEKPLNLSV GALHNCPAI
SLSKSLIPSITC PFCTFKTFYPEVLM MHQRLEHKYNP DVHKNCRNKSLLSRRTGCPPALLGKDVPPLSS
FCKPKKSAPFAQSKSLPSAKGKQSPPGPKAPL TSGIDSSTLAPSNLKSHPRQQNVGVQGAATRQQQSE
MFPKTSVSPAPDKTKRPETK LKPLPVAPSQPTLGSSNINGSIDYPAKNDSPWAPPGRDYFCNRSASNTAA
EFGLEPKRLKSSVVALD VDQPGANYRRGYDL PKYHMRGIT SLLPQDCVYPSQALPPKPRFLSSSEVDS
PNVLTVQKPYGGSGPLYTCVPAGSPASSSTLEGRPVSYQHL SNSMAQKRNYENFIGNAHYRPNDKKT

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TRTRPLE - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_006526.3</a>
<b>RefSeq Size:</b>	5653 bp
<b>RefSeq ORF:</b>	3147 bp
<b>Locus ID:</b>	7764
<b>UniProt ID:</b>	<a href="#">O75362</a>
<b>Cytogenetics:</b>	20q13.2
<b>Domains:</b>	zf-C2H2
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	Binds to the promoters of target genes and functions as repressor. Promotes cell proliferation and antagonizes cell death. Promotes phosphorylation of AKT1 at 'Ser-473'. [UniProtKB/Swiss-Prot Function]