

Product datasheet for **RG213950**

PAG608 (ZMAT3) (NM_152240) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PAG608 (ZMAT3) (NM_152240) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ZMAT3
Synonyms: PAG608; WIG-1; WIG1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG213950 representing NM_152240
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGATCCTCTTGCAACACGCCGTGCTTCTCCACCTAAGCAGCCCTCACCTCGCCTCCTATGTCAGTGG
 CCACCAGGTCTACAGGAACCTTGCAGCTTCCACCACAGAAGCCTTTTGGCAGGAGGCTTCTTGCCTCT
 TGCAGGGGAAGAAGAGTTATCGAAGGGAGGGGAGCAAGACTGTGCCCTGGAGGAGCTATGTAAGCCCTG
 TACTGCAAACCTGCAATGTCACCTTGAACCTGACAGCAAGCCAGGCTCATTATCAGGGTAAAAATC
 ATGGTAAGAACTCCGAAATTAATGTCAGCAAATAGCTGTCTCCTCCTGCTAGAATGAGCAATGTGGT
 CGAGCCTGCAGCTACTCCAGTTGTTCCAGTCCCTCCGCAGATGGGCTCCTTTAAGCCAGGAGGCCGAGTG
 ATCCTGGCCACGGAGAATGATTACTGTAAGCTCTGTGATGCCTCCTTCAGTTCCCCAGCTGTGGCTCAGG
 CTCACTATCAAGGGAAGAATCATGCCAAGAGGCTGCGGCTGGCGGAAGCTCAGAGTAACTCATTCTCGGA
 ATCCTCAGAGCTGGGTCAACGGCGGCCAGGAAAGAAGGGAATGAGTTTAAAGATGATGCCTAACAGGAGA
 AATATGTATACAGTACAGAATAATTCAGGTCTTACTTCAATCCCCGCTCTCGGCAGAGAATTCACGTG
 ATCTGGCCATGTGTGTTACTCCAAGTGGCCAGTTTTACTGCTCAATGTGTAATGTTGGAGCTGGCGAAGA
 GATGGAATTCGGCAGCATTAGAGAGCAAGCAACATAAGAGCAAGGTGTCTGAACACGGGTACAGGAAT
 GAGATGGAGAATCTGGGATATGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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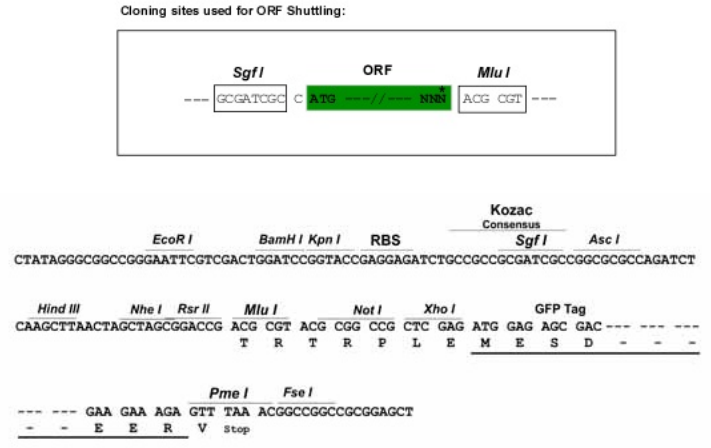
Protein Sequence: >RG213950 representing NM_152240
 Red=Cloning site Green=Tags(s)

MILLQHAVLPPPKQSPSPPMMSVATRSTGTLQLPPQKPFQGEASLPLAGEEELSKGGEQDCALEELCKPL
 YCKLCNVTLNSAQAQAHYQGNHGKLRNYAANSCPPPARMSNVVEPAATPVVPVPPQMGFSFKPGGRV
 ILATENDYCKLCDASFSSPAVAQAHYQGNHAKRLRLAEAQSNSFSESSELGQRRARKEGNEFKMMPNRR
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 EMENLGYV

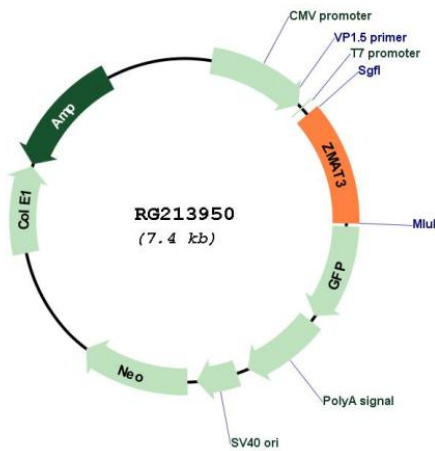
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_152240

ORF Size: 864 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_152240.3
RefSeq Size:	2323 bp
RefSeq ORF:	867 bp
Locus ID:	64393
UniProt ID:	Q9HA38
Cytogenetics:	3q26.32
Domains:	zf-C2H2
Protein Families:	Transcription Factors
Protein Pathways:	p53 signaling pathway
Gene Summary:	This gene encodes a protein containing three zinc finger domains and a nuclear localization signal. The mRNA and the protein of this gene are upregulated by wildtype p53 and overexpression of this gene inhibits tumor cell growth, suggesting that this gene may have a role in the p53-dependent growth regulatory pathway. Alternative splicing of this gene results in two transcript variants encoding two isoforms differing in only one amino acid. [provided by RefSeq, Jul 2008]