

## Product datasheet for SC112489

### PAG608 (ZMAT3) (NM\_022470) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PAG608 (ZMAT3) (NM_022470) Human Untagged Clone
Tag:	Tag Free
Symbol:	PAG608
Synonyms:	PAG608; WIG-1; WIG1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112489 sequence for NM_022470 edited (data generated by NextGen Sequencing)

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ATGATCCTCTTGCAACACGCCGTGCTTCCTCCACCTAAGCAGCCCTCACCTCGCCTCCT
ATGTCAGTGGCCACCAGGTCTACAGGAACCTTGCAGCTTCCACCACAGAAGCCTTTTGGG
CAGGAGGCTTCTTGCCTTTCAGGGKAAGAAGATTATCGAAGGGAGGGGAGCAAGAC
TGTGCCCTGGAGGAGCTATGTAAGCCCCTGACTGCAAACCTGCAATGTCACCTGAAC
TCTGCACAGCAAGCCCAGGCTCATTATCAGGGTAAAAATCATGGTAAGAACTCCGAAAT
TACTATGCAGCAAATAGCTGTCTCCTCCTGCTAGAATGAGCAATGTGGTCGAGCCTGCA
GCTACTCCAGTTGTTCCAGTCCCTCCGCAGATGGGCTCCTTTAAGCCAGGAGGCCGAGTG
ATCCTGGCCACGGAGAATGATTACTGTAAGCTCTGTGATGCCTCCTTCAGTTCCCAGCT
GTGGCTCAGGCTCACTATCAAGGAAGAATCATGCCAAGAGGCTGCGGCTGGCGGAAGCT
CAGAGTAACTCATTCTCGGAATCCTCAGAGCTGGGTCAACGGCGGCCAGGAAAGAAGGG
AATGAGTTAAGATGATGCCTAACAGGAGAAATATGTATACAGTACAGAATAATTCAGCA
GGTCTTACTTCAATCCCCGCTCTCGGCAGAGAATTCCACGTGATCTGGCCATGTGTGTT
ACTCCAAGTGGCCAGTTTTACTGCTCAATGTGTAATGTTGGAGCTGGCGAAGAGATGGAA
TTCCGGCAGCATTTAGAGAGCAAGCAACATAAGAGCAAGGTGTCTGAACAGCGGTACAGG
AATGAGATGGAGAATCTGGGATATGTATAG

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Clone variation with respect to NM\_022470.3  
148 g=>k



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_022470 unedited  
 NGTTCAAATTTTGTAAATACGACTCACTTATAGGGCGGCCGCAATTCGCACGAGGCGGGC  
 GCCGGCGGAGAAGTTGCTCCGAGAAGAGCTGGGTGCGAGCTGGGCCGAGCCGGGCGCGCAG  
 GGGGGCGTCCGGGGCTCCCGGGCGGACGCGGCGGAGACTGCCGGCGGTCCCGGGG  
 GTTCCGATTTGAAGACCTTGCTTCTCATCACCCACTGGATTATGCCCCAGGCTTTCCTAC  
 CCAATGATCCTCTTGCAACACGCCGTGCTTCTCCACCTAAGCAGCCCTCACCTCGCT  
 CCTATGTCAGTGGCCACCAGGTCTACAGGAACCTTGACGCTTCCACCACAGAAGCCTTTT  
 GGGCAGGAGGCTTCTTGCCTCTTGCAGGGGAAGAAGAGTTATCGAAGGGAGGGGAGCAA  
 GACTGTGCCCTGGAGGAGCTATGTAAGCCCTGTACTGCAAACTCTGCAATGTCACCTTG  
 AACTCTGCACAGCAAGCCAGGCTCATTATCAGGGTAAAAATCATGGTAAGAACTCCGA  
 AATTACTATGCAGCAAATAGCTGTCTCTCTGCTAGAATGAGCAATGTGGTCGAGCCT  
 GCAGCTACTCCAGTTGTTCCAGTCCCTCCGAGATGGGCTCCTTAAGCCAGGAGGCCNG  
 AGTGATCTGGCCACGGAGAATGATTACTGGTAGCTCTGTGATGCCTCTTCAGTTCCCC  
 AGCTGTGGCTCANGCTCACTATCAAGGGAAGAATCATGCCAAGAGGCTGCGGCTGGCGGA  
 AAGCTCAGAGTACTATTCTCGAATCCTCANAGCTGGGTCAACGCGGGCCAGNNAAGA  
 ANGGNNATGAGT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_022470 unedited  
 NTTTTACTCTGGACCCGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTT  
 TTTTTTTTTTTTTTTTTTTTTTTTGAACAGAGTCTCGTTTGTACCCAAGCTGGAGTGCA  
 ATGGGCCCAACTCGGTTATTGGAAGCTCCCCCTCCCGGTTACCCCATTTTCTGCCT  
 CAACCTCAAAGAACTGGGACTACAGGACCCACCACCACCCCGGTAAGGTTTGGAA  
 TTTTAAATAAAAAAGGGGTTCACTGGGTTAACCAAGAAGAACTCGACCTCTGACCTCG  
 GGAACCCCTGGTTTGGCTCCCAAAGGCTGGGATTACAGGCGTGAGCCACCCCGCCC  
 GCCTATTTTTGAAAACATATCCCTTTAAACCCATTGAATATTCAAATATGAGGCTTG  
 GAAAACCCACAGCACAACCTGGGGCATGAAAAAGGGCTTGGTAAACAACTGATCAACTA  
 GGGGGGAAAAAAGAGGGGAAAAAAGGGGCAATTATATGTGTGAAATCCACAACCTGGAA  
 AACAAGTTAACTGGTTGGAAGTATAACAAGCCATTGGGAGTATTTGAATCAAAAAAAC  
 TTGCGCTTCAATGGTGGGAGACCTGATACCAAAAAAAAAATGTCCCGGAAAGACCCCA  
 ACAGGTTTTAATAATGGATCCCTACCGACAATGCCTTGAAGTGGGGGTCTGGTTAAACC  
 CCTGGAAACTGAAAACCTGGTGACCTATTTAACTCTGAACATAAAAGAAATCCATACA  
 CATTCTTTTACAGGACCTAAAACCACTTGGCAAAGAGAATGGCAGAAAAAATGCC  
 CGGAAAAAACCTAACACGTTTTATTATGTATTCTACTACAAAGCCTTGAGGGGCGGTT  
 CGTTAACACCTGGGAACCTGAAATTTGCCACACTATTTTCTGGGACTCAAGAATA

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_022470

**Insert Size:**

2450 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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.

**RefSeq:** [NM\\_022470.2](#), [NP\\_071915.1](#)

**RefSeq Size:** 2432 bp

**RefSeq ORF:** 870 bp

**Locus ID:** 64393

**UniProt ID:** [Q9HA38](#)

**Cytogenetics:** 3q26.32

**Domains:** ZnF\_U1, 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]

Transcript Variant: This variant (1) lacks an alternate exon in the 5' UTR and uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. The resulting isoform (1) includes one extra residue in the C-terminal region, compared to isoform 2. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.