

Product datasheet for **RR201753**

Zmat3 (NM_022548) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Zmat3 (NM_022548) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Zmat3
Synonyms: PAG608; Wig1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR201753 representing NM_022548
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATTCTTTTCAGCAGGTCTGGCTTCCTTTACCTAACCGCCTTCAACCTCTCCTCTATGTCAGTGG
CTGCCAGGTCCACTGGACCTTGCAGCTCCCGCCACAGAAGGCTTTTGGCAGGAAGCATCCTTGCCTCT
GGCAGGGGAAGAGGATTTAGCTAAGAGAGGGGAGCCAGATTCTGCCCTGGAGGAGCTGTGTAAGCCCTC
TTCTGCAAACCTGCAATGTACCTTGAACCTCCGCTCAGCAAGCCAGGCCCACTATCAGGGTAAAACC
ATGGCAAGAACTCCGAAATTATTATGCAGCTAACAGCTGCCCTCCTCCAGCCAGGATGAGCAGCGTGGC
GGAGCCTGTAGCCACACCCCTCGTCCCTGTCCCTCCCGAGGTGGGCTCCTGCAAGCCAGGGGGCAGGGTG
ATCCTGGCCACAGAGAATGACTACTGTAAGCTGTGCGATGCTCCTTCAGCTCCCCCGGGTGGCACAGG
CGCACTACCAGGGGAAGAACCACGCCAAGAGACTTCGTCTGGCCGAAGCTCAGAGCCACTCATTCTCGGA
CTCTGCAGAGGGCGGGCAACGGCGGACCCGAAAGAAGGGAGTGAATTTAAGATGGTGACCACCAGGAGG
AATATGTATACAGTCCAGAGCAATTCAGGTCCTTACTTCAACGCCGTTCTCGGCAGAGGATCCCCGCGAG
ATCTCGCCATGTGCGTTACTCCAAGTGGCCAGTTTACTGCTCGATGTGTAACGTCGGAGCTGGCGAAGA
GGTGGAGTTCGGCAGCATCTAGAGAGCAAGCAGCACAAAAGCAAGGTGTCCGAGCAGCGGTACAGGAGC
GAGATGGAGAACCTGGGCTACGTTACG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR201753 representing NM_022548
 Red=Cloning site Green=Tags(s)

MILLQQVWLPLPNRPSTSPPMVAARSTGTLQLPPQKAFGQEASLPLAGEEDLAKRGEPDSALEELCKPL
 FCKLCNVTLNSAQQAQAHYQGNHGKLRNYAANSCPPPARMSVAEPVATPLVPVPPQVGSCKPGGRV
 ILATENDYCKLCDASFSSPAVAQAHYQGNHAKRLRLAEAQSHSFSDSAEAGQRRTKEGSEFKMVTTRR
 NMYTVQNSGPFYFNARSQRIPRDLAMCVTPSGQFYCSMCNVGAGEEVEFRQHLESKQHKSKVSEQRYS
 EMENLGYVQ

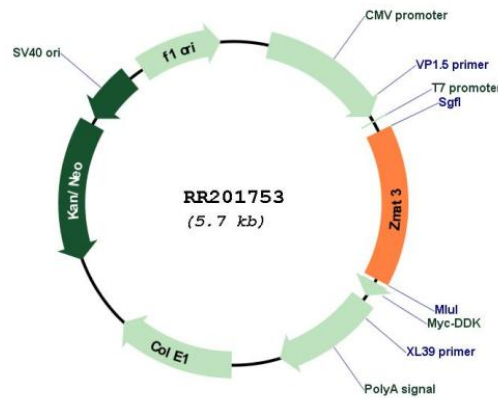
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_022548

ORF Size: 867 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_022548.1 , NP_071993.1
RefSeq Size:	7513 bp
RefSeq ORF:	870 bp
Locus ID:	64394
UniProt ID:	O08781
Cytogenetics:	2q24
MW:	31.9 kDa
Gene Summary:	nuclear zinc finger protein; may play a role in facilitating the apoptotic activities of p53 [RGD, Feb 2006]