

Product datasheet for MR221029

Zmat3 (NM_009517) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zmat3 (NM_009517) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zmat3
Synonyms:	Wig1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR221029 representing NM_009517 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTCTTTTGCAGCAGGTCTGGCTTCTTTACCTAATCGGCCTTCAACCTCTCCTCTATGTCAGTGG
CTGCCAGGTCCACAAGGACCTTGCAGCTCCCGCCACAGAAGGCTTTTGGCAGGAAGCATCCTTGCCTCT
GGCAGGGGAAGAGGATTTAGCTAAGAGAGGGGAGCCAGACTCTGCCCTGGAGGAGCTGTGTAAGCCCTC
TTCTGCAAACTCTGCAATGTCACCTTGAACCTCCGCTCAGCAAGCCAGGCACACTATCAGGGTAAAAACC
ATGGCAAGAACTACGAAATTATTACGCAGCTAACAGCTGTCTCCTCCAGCCAGGGTGAGCAGCGTGGT
GGCAGAGCCTGTAGCCACACCCCTCGTTTCTGTCCCTCCGAGGTGGGCTCCTGCAAGCCAGGGGGCAGG
GTGATCCTGGCTACAGAGAATGACTACTGTAAGCTGTGCGATGCCTCCTCAGCTCCCCTGCCGTGGCAC
AGGCGCACTACCAGGGGAAGAACCATGCCAAGAGACTCCGTCTGGCCGAAGCTCAGAGTCACTCATTCTC
GGACTCCGAGAGGCAGGGCAACGGCGGACTCGGAAAGAAGGGAGTGAATTTAAGATGGTGGCCACCAGG
AGGAATATGTATCCAGTCCAGAGCAATTCAGGCCCTTACTTCAATGCCCGCTCCCGGCAGAGGATCCCGC
GAGATCTCGCCATGTGCGTGACTCCAAGTGCCAGTTTTACTGCTCCATGTGTAACGTTGGGGCTGGCGA
AGAGGTGGAGTTCGGCAGCATCTAGAGAGCAAGCAGCACAAAAGCAAGGTGTCCGAGCAGCGGTACAGG
AGCGAGATGGAGAACCTGGGCTACGTTACG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR221029 representing NM_009517
 Red=Cloning site Green=Tags(s)

MILLQQVWLPLPNRPSTSPPMVAARSTRTLQLPPQAFGQEASLPLAGEEDLAKRGEPDSALEELCKPL
 FCKLCNVTLNSAQQAQAHYQGNHGKLRNYAANSCPPPAPRVSSVVAEPVATPLVPVPPQVGSCKPGR
 VILATENDYCKLCDASFSSPAVAQAHYQGNHAKRLRLAEQSHSFSDSAEAGQRRTRKEGSEFKMVATR
 RNMYPVQNSGPFNARSQRIPRDLAMCVTPSGQFYCSMCNVGAGEEVEFRQHLESKQHKSKVSEQRYR
 SEMENLGYVQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9058_g01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009517

ORF Size: 870 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:

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_009517.2](#), [NP_033543.2](#)

RefSeq Size: 7784 bp

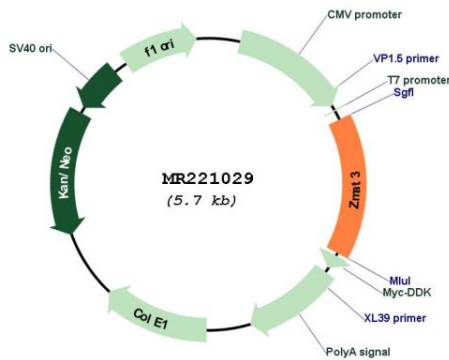
RefSeq ORF: 873 bp

Locus ID: 22401

Cytogenetics: 3 A3

MW: 32.1 kDa

Product images:



Circular map for MR221029