

Product datasheet for **RC238400**

ZMAT1 (NM_001282401) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZMAT1 (NM_001282401) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZMAT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC238400 representing NM_001282401
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGAGAACCTATGTTTGCCATATTTGTAGTATTGCTTTTACATCTTTAGATATGTTCCGGTCCCACATGC
 AAGGAAGTGAACATCAAATTAAGAATCCATTGTTATCAATCTAGTGAAGAATTCAGGAAGACACAAGA
 CTCTTACCAAAATGAGTGTGCAGATTACATCAATGTGCAGAAAGCCAGAGGACTAGAGGCCAAGACTTGT
 TTCAGAAAGATGGAAGAGAGTTCCTTTGAAACCCGTAGATACAGAGAAGTGGTCGATTCCAGACCCAGAC
 ATAGAATGTTTGAACAAAGACTCCCATTTGAGACTTTCCGGACATACGCAGCACCATAACAATATTTTACA
 AGCAATGGAAGCAGTTACCTCATTCAAAGAAGACATATGACTCTTTCCAAGATGAAGTGAAGATTAC
 ATCAAAGTACAGAAAGCCAGAGGACTAGATCCAAAGACTTGTTTCAGAAAGATGAGAGAACTCTGTGG
 ATACTCATGGGTACAGAGAAATGGTTGATTCTGGACCCAGATCAAGAATGTGTGAGCAAAGATTTTACA
 TGAGGCTTCCAGACCTACCAACGACCATAACATATTTACCAGTGGAAAGCCAGTTACCTCAGTGGCTA
 CCAACCCATTCAAAGAGGACATATGATTCTTTCCAAGATGAAGTTGAAGATTACATAAAAGTGCAGAAAG
 CCAGAGGACTAGAGCCAAAACTTGTTTCAGAAAGATAGGAGATAGCTCTGTAGAAACACACAGGAACAG
 AGAAATGGTTGATGTGAGACCCAGACATAGAATGTTGGAGCAAAAGCTCCCATGTGAGACTTTCCAGACC
 TATTCAGGACCATATAGTATTTACAAGTAGTGGAAAACCAAGTACCTCATTGCTTACCAGCTCATGATA
 GCAAACAGAGACTAGATTCTATTAGCTACTGTCAACTCACCAGAGACTGTTTCCAGAAAAACCAAGTACC
 CTTGAGCCTTAATCAGCAAGAAAATAACTCTGGCTCATACAGTGTAGAATCTGAAGTTTACAAGCACCTC
 TCTTCAGAAAACAATACTGCTGACCATCAAGCAGGTCTATAACCGAAACATCAGAAAGAAAAACGACACC
 TAGAAGAAAGCAAAGAAAGGCCAGAGAAAGAGCAGTCCAAGCATAAAAGGAAAAAGAGTTATGAAGATAC
 AGATTTAGACAAAGACAAGAGCATCAGACAAAGGAAAAGAGAGGAGGATAGAGTCAAGGTCAAGTTCAGGA
 AAGCTTAAGCATCGAAAAAGAAAAAAGCCATGATGTACCCTCCGAGAAAGAAACGTAAGCACAGGA
 AAGAGAAAAAGAAATCTGTTGAAGAAAGACAGAAAGAGGAAATGCTTTGGGATGAGTCTATTCTTGATT
 T

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238400 representing NM_001282401
 Red=Cloning site Green=Tags(s)

MRTYVCHICSIIFTSLDMFRSHMQGSEHQIKESIVINLVKNSRKTQDSYQNECADIINVQKARGLEAKTC
 FRKMEESSLETRRYREVVDSPRHRMFEQRLPFETFRTYAAPYNISQAMEKQLPHSKKTYDSFQDELEDY
 IKVQKARGLDPKTCFRKMRENSVDTHGYREMVDSPSRMCEQRFSEASQTYQRPYHISPVESQLPQWL
 PTHSKRTYDSFQDELEDYIKVQKARGLEPKTCFRKIGDSSVETHRNREMDVVRPRHRMLEQKLPCEFTQT
 YSGPYSISQVVENQLPHCLPAHDSKQRLDSISYCQLTRDCFPEKPVPLSLNQENNSGSYSVESEVYKHL
 SSENNTADHQAGHKRKHQKRKRHLEEGKERPEKEQSKHKRKKSYEDTDLDDKSIQRKREEDRVKVSSG
 KLKHKRKKKSHDVPSEKEERKHKRKKKSVEERTEEEMLWDESILGF

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001282401

ORF Size: 1401 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001282401.2](#)

RefSeq Size: 3992 bp

RefSeq ORF: 1404 bp

Locus ID: 84460

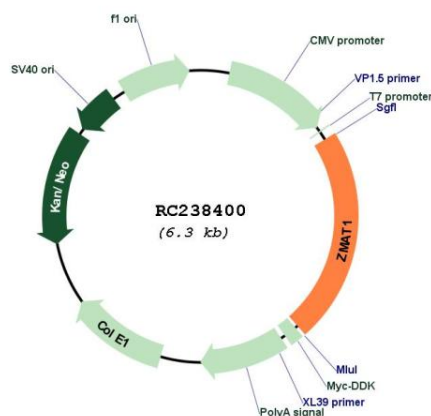
UniProt ID: [Q5H9K5](#)

Cytogenetics: Xq22.1

MW: 56 kDa

Gene Summary: This gene encodes a protein containing Cys2-His2 (C2H2)-type zinc fingers, which are similar to those found in the nuclear matrix protein matrin 3. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2012]

Product images:



Circular map for RC238400