

Product datasheet for **SC336293**

ZMAT1 (NM_001282400) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZMAT1 (NM_001282400) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZMAT1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC336293 representing NM_001282400. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
ATGAGAACCTATGTTTGCCATATTTGTAGTATTGCTTTTACATCTTTAGATATGTTCCGGTCCCACATG
CAAGGAAGTGAACATCAAATTAAGAATCCATTGTTATCAATCTAGTGAAGAATCAAGGAAGACACAA
GACTCTTACCAAAATGAGTGTGCAGATTACATCAATGTGCAGAAAGCCAGAGGACTAGAGGCCAAGACT
TGTTTCAGAAAGATGGAAGAGAGTTCTTTGAAACCCGTAGATACAGAGAAGTGGTCGATTCCAGACCC
AGACATAGAATGTTTGAACAAAGACTCCCATTTGAGACTTTCCGGACATACGCAGCACCATACAATATT
TCACAAGCAATGGAAAAGCAGTTACCTCATTCAAAGAAGACATATGACTCTTTCCAAGATGAAGTTGAA
GATTACATCAAAGTACAGAAAGCCAGAGGACTAGATCCAAAGACTTGTTTCAGAAAGATGAGAGAGAAC
TCTGTGGATACTCATGGGTACAGAGAAATGGTTGATTCTGGACCCAGATCAAGAATGTGTGAGCAAGA
TTTTACATGAGGCTTCCAGACCTACCAACGACCATACCATATTTACCAGTGGAAAGCCAGTTACCT
CAGTGGCTACCAACCCATTCAAAGAGGACATATGATTCTTTCCAAGATGAAGTTGAAGATTACATAAAA
GTGCAGAAAGCCAGAGGACTAGAGCCAAAACTTGTTTCAGAAAGATAGGAGATAGCTCTGTAGAAAACA
CACAGGAACAGAGAAATGGTTGATGTGACAGCCAGACATAGAATGTTGGAGCAAAAGCTCCCATGTGAG
ACTTTCCAGACCTATTCAGGACCATATAGTATTTACAAGTAGTGAAAACCAAGTTACCTCATTGCTTA
CCAGCTCATGATAGCAACAGAGACTAGATTCTATTAGCTACTGTCAACTCACCAGAGACTGTTTCCCA
GAAAAACCAAGTACCTTGAGCCTTAATCAGCAAGAAAAATAACTCTGGCTCATACAGTGTAGAATCTGAA
GTTTACAAGCACCTCTCTTCAGAAAACAATACTGCTGACCATCAAGCAGGTCTAAACCGGAAACATCAG
AAGAGAAAACGACACCTAGAAGAAGGCAAGAAAGGCCAGAGAAAGAGCAGTCCAAGCATAAAAGGAAA
AAGAGTTATGAAGATACAGATTTAGACAAAGACAAGAGCATCAGACAAAGGAAAAGAGAGGAGGATAGA
GTCAAGGTCAGTTCAGGAAAGCTTAAGCATCGAAAAAAGAAAAAGCCATGATGTACCTCCGAGAAA
GAAGAACGTAAGCACAGGAAAGAGAAAAAGAAATCTGTTGAAGAAAGGACAGAAGAGGAAATGCTTTGG
GATGAGTCTATTCTTGGATTT**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001282400
Insert Size:	1404 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:	<u>NM_001282400.1</u>
RefSeq Size:	4045 bp
RefSeq ORF:	1404 bp
Locus ID:	84460
UniProt ID:	<u>Q5H9K5</u>
Cytogenetics:	Xq22.1
MW:	55.6 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] Transcript Variant: This variant (2) uses an alternate 5' exon structure and thus differs in the 5' UTR and 5' coding region compared to variant 1. These differences cause translation initiation at a downstream AUG and result in an isoform (4) with a shorter N-terminus, compared to isoform 1. Both variants 2 and 4 encode the same isoform (4).