

## Product datasheet for **SC305450**

### ZMAT1 (NM\_032441) Human Untagged Clone

#### Product data:

|                           |                                                                                |
|---------------------------|--------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                            |
| Product Name:             | ZMAT1 (NM_032441) Human Untagged Clone                                         |
| Tag:                      | Tag Free                                                                       |
| Symbol:                   | ZMAT1                                                                          |
| Synonyms:                 | KIAA1789; MGC176597; MGC176728; OTTHUMP00000023703; zinc finger, matrin type 1 |
| Mammalian Cell Selection: | Neomycin                                                                       |
| Vector:                   | pCMV6-Entry (PS100001)                                                         |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                           |



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**Fully Sequenced ORF:** >SC305450 representing NM\_032441.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGAACCTATGTTTGCCATATTTGTAGTATTGCTTTTACATCTTTAGATATGTTCCGGTCCCACATG
CAAGGAAGTGAACATCAAATTAAGAATCCATTGTTATCAATCTAGTGAAGAATTCAAGGAAGACACAA
GACTCTTACCAAATGAGTGTGCAGATTACATCAATGTGCAGAAAGCCAGAGGACTAGAGGCCAAGACT
TGTTTCAGAAAGATGGAAGAGAGTTCTTTGAAAACCCGTAGATACAGAGAAGTGGTCGATTCCAGACCC
AGACATAGAATGTTTGAACAAAGACTCCCATTGAGACTTTCCGGACATACGCAGCACCATAACAATATT
TCACAAGCAATGGAAGCAGTTACCTCATTCAAAGAAGACATATGACTCTTTCCAAGATGAAGTTGAA
GATTACATCAAAGTACAGAAAGCCAGAGGACTAGATCCAAAGACTTGTTTCAGAAAGATGAGAGAGAAC
TCTGTGGATACTCATGGGTACAGAGAAATGGTTGATTCTGGACCCAGATCAAGAATGTGTGAGCAAAGA
TTTTACATGAGGCTTCCAGACCTACCAACGACCATAACCATATTTACCAGTGGAAAGCCAGTTACCT
CAGTGGCTACCAACCCATTCAAAGAGGACATATGATTCTTTCCAAGATGAAGTTGAAGATTACATAAAA
GTGCAGAAAGCCAGAGGACTAGAGCCAAAACTTGTTTCAGAAAGATAGGAGATAGCTCTGTAGAAACA
CACAGGAACAGAGAAATGGTTGATGTGACAGCCAGACATAGAATGTTGGAGCAAAAGCTCCCATGTGAG
ACTTTCCAGACCTATTCAGGACCATATAGTATTTACAAGTAGTGAAAACCAAGTTACCTCATTGCTTA
CCAGCTCATGATAGCAACAGAGACTAGATTCTATTAGCTACTGTCAACTCACCAGAGACTGTTTCCCA
GAAAAACCAAGTACCCTTGAGCCTTAATCAGCAAGAAAAAATACTCTGGCTCATACAGTGTAGAATCTGAA
GTTTACAAGCACCTCTCTTCAGAAAACAATACTGCTGACCATCAAGCAGGTCATAACAGAAACATCAG
AAGAGAAAACGACACCTAGAAGAAGGCCAAAGAAAGGCCAGAGAAAGAGCAGTCCAAGCATAAAAGGAAA
AAGAGTTATGAAGATACAGATTTAGACAAAGACAAGAGCATCAGACAAAGGAAAAGAGAGGAGGATAGA
GTCAAGGTCAGTTCAGGAAAGCTTAAGCATCGAAAAAAGAAAAAGCCATGATGTACCCTCCGAGAAA
GAAGAACGTAAGCACAGGAAAGAGAAAAAGAAATCTGTTGAAGAAAGGACAGAAGAGGAAATGCTTTGG
GATGAGTCTATTCTTGATTTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_032441

**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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_032441.1](#)

**RefSeq Size:** 6122 bp

**RefSeq ORF:** 1404 bp

**Locus ID:** 84460

**Cytogenetics:** Xq22.1

**MW:** 55.5 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 (3) lacks multiple 5' exons but has an alternate 5' segment, which results in a downstream in-frame AUG start codon, as compared to variant 1. The encoded isoform 3 has a shorter N-terminus, as compared to isoform 1.