

Product datasheet for **RN205653**

Mta1 (NM_022588) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mta1 (NM_022588) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mta1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN205653 representing NM_022588
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCGCCAACATGTACAGGGTCGGAGACTATGTCTACTTTGAGAACTCCTCCAGCAACCCGTACCTGA
 TCCGCAGGATTGAAGAGCTGAATAAGACAGCCAACGGGAATGTGGAGGCCAAAGTGGTGTGTTTCTACAG
 AAGGCGGGACATTTCCAGCAGCCTCATCGCGCTGGCTGACAAGCATGCAACCCTGTCAGTCTGCTATAGA
 GCCGGACCGGGGCGGACACCGGCGAGGAAGGGGAAGTGGAGGAGGAGGTAGAAAACCCAGAGATGGTAG
 ACCTGCCTGAGAACTTAAGCACCAGCTGCGGCATCGGGAAGTTCCTCTCTCGGCAGTTGGAGTCTCT
 GCCTGCCACCCACATCAGGGGCAAGTGCAGTGTACCCTGCTCAATGAGACCGAGTCACTCAAGTCTAC
 CTGGAGCGTGAGGATTTCTTCTACTCTCTAGTCTACGACCCACAGCAGAAGACCCTCCTGGCTGATA
 AAGGCGAAATTCGTGTAGGAACCGGTACCAGGCTGACATCACTGATTTGCTGAAAGACGGTGGAGGGA
 CGCCCGCATCAGTCGAAGCTGGAGACCAAGGTGTGGGAAGCCACAATCCACTTGTAGATAAGCAGATT
 GACCAGTTTCTGGTGGTGGCCCGCTCTGTGGTACCTTTGCACGGGCCCTGGATTGCAGCAGCTCCGTGC
 GGCAGCCTAGCCTGCACATGAGTGCCGCGCAGCCTCCCGAGACATCACCTGTTTCATGCCATGGACAC
 GCTGCACAAGAACATCTACGACATCTCCAAGGCCATCTCTGCCCTTGTGCCTCAGGGTGGGCCAGTGCTC
 TGCAGGGATGAGATGGAGGAGTGGTCAGCATCAGAAGCCAACCTTTTGGAGGAGCTCTGAAAAATATG
 GGAAAGATTTACAGACATTCAGCAAGACTTTCTCCCATGGAAGTCGCTCACCAGCATCATTGAGTATTA
 CTACATGTGGAAGACCACGACAGATACGTCCAGCAGAAACGTTTGAAGCAGCTGAAGCAGAGAGCAAG
 TTAAGCAGGTTTATATCCCAACTATAACAAGCCAACCCAAACCAGATCAGCGTCAACAGTGTCAAGG
 CCAGTGTAGTGAATGGCACAGGGACACCGGAGCCAGCCCGGGGCGGTGGCCCTGCGAGAGCTGTTA
 CACCACACAGTCTTACCAGTGGTATTCTTGGGGTCCCCCTAACATGCAAGTGTCCCTCTGCGCATCTTGT
 TGGACATATTGGAAGAAATATGGTGGCTTGAATGCAACCCGTTAGATGGAGAGAGGCCGGGACCAA
 ACCGCAATAACATGAGTCCCATGGCATCCAGCTCGGAGCAGTGGGAGCCCAAGTTTGCATGAAGAC
 AAGGCAGGCCCTTACCTGCATACTACCAAGTTGACACGCATTGCCCGCGCTTGTGCCGTGAGATCCTA
 CGCCCATGGCATGCCGACGCCACCCCTACATGCCATCAACAGTGCAGCAATCAAGGCTGAATGCACAG
 CACGGCTGCCGAAGCTTCCAGAGCCACTGGTGTGAAGCAGGTAGTACGGAAGCCCTGGAGGCTGT
 GCTCCGGTATCTTGAAGTCACTCCCGCCCGCTAAGCCCGACCCTGTGAAGAGCTCATCCAGTGTGCTC
 AGCAGTCTGACCCCTGCCAAGTCAGCCCTGTCATCAACAATGGTCCCCTACCATCTTGGCAAGAGGA
 GCTATGAGCAGCAATGGGGTGTAGTGGTCTGGCAAACCATGGACAGACCAGGCACATGGGACCAAGTCCG
 GAATCTCCTGCTCAATGGGAAGTCTACCCACCAAAGTGCCTAATCCGAGGGCGGCTCCCTGCCTCCA
 GTCAAGCGGCGCGGATGAACTGGATTGACGCCCCAGATGATGATTTTACATGGCCACCGAGGAGACCA
 GGAAAAATCCGAAAGCTGCTCTCATCTTCCAGAAACCAAGCGTGTGCCCGCGGCCCTACAAGCCTATTGC
 CCTGCGCCAGAGCCAGGCCCTGCCGCTGCGGCCACCCCACTGCACCAGTCAATGATGAGCCATTGTT
 ATTGAGGACTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_022588

Insert Size: 2112 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:	<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:	<u>NM_022588.1</u> , <u>NP_072110.1</u>
RefSeq Size:	2741 bp
RefSeq ORF:	2112 bp
Locus ID:	64520
UniProt ID:	<u>Q62599</u>
Cytogenetics:	6q32
Gene Summary:	high expression of this protein correlates with the metastatic potential of cells; may have a role in gene regulation [RGD, Feb 2006]