

Product datasheet for **MC219329**

Mta3 (NM_001171052) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mta3 (NM_001171052) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mta3
Synonyms:	1110002J22Rik; mKIAA1266
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219329 representing NM_001171052
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCCAACATGTACCGGGTCGGAGACTACGTTTATTTGAGAATTCCTCCAGCAACCCGTACCTCA
 TCAGACGGATAGAGGAGCTCAACAAGACTGCAAGTGGCAATGTGGAAGCAAAAGTCGTCTGCTTTTACAG
 AAGACGGGACATCTCAACACGCTTATCATGCTCGCCGACAAGCATGCTAAAGAACTGAGGAGGAGTCG
 GAGACGCCAGTTGAGGCCGACTTGACGGAGAAGCAGAAGCACCAGCTGAAACACAGGGAGCTCTTTCTGT
 CGCGCCAGTACGAGTCACTGCCTGCGACACATACAGGGGGAAGTGCAGCGTGGCCCTGTGAATGAGAC
 AGAATCCGTGTTGTCATACCTTGACAAGGAGGATACCTTCTTCTACTCACTGGTATACGACCCTTCAGTG
 AAAACATTATTGGCTGACAAAGGTGAAATCAGAGTGGGCCAAAGTACCAAGCTGACATTCCAGACATGC
 TACCAGAAGGAGACTCAGATGAGAGGGAACAATCAAAATTGGAAGTTAAGGTTTGGGACCCCAATAGCCC
 ACTTACGGATCGACAGATTGACCAGTTTTAGTTGTAGCCGTGCCGTGGGAACATTTGCCCGAGCCCTG
 GACTGCAGCAGCTCCGTGAGGCAACCCAGCCTTCACATGAGTGCAGCCGAGCCTCCCGAGACATCACCT
 TGTTTCATGCCATGGACACACTGTACAGGCACGGCTATGACCTCAGCAGCGCCATCAGTGTGCTGGTGCC
 GCTCGGAGGGCCAGTCTCTGCAGGGACGAGATGGAGGAGTGGTCGGCTCTGAAGCCTGCCTATTCCGAA
 GAAGCACTGGAAAAATACGGCAAAGATTCAACGACATTCGTGAGGACTTTCTCCCGTGGAAATCCTTGA
 CTAGCATCATTGAATATTATTACATGTGGAAAACACTGACAGATACGTGCAGCAGAAGCGCCTAAAGGC
 CGCAGAAGCCGAGAGCAAACGAAAGTGTACATCCCGACTTACAACCAAAATCCAACCAAAATCTCC
 AGCAGCAACGGCAAGGCTGGCACTGTGAATGGAGCTGTGGGACCCAGTTTCAGCCCCAGAGCGCCCTCC
 TAGGGCGAGCCTGCGAGAGCTGCTACGCCACACAGTCTCATCAGTGGTATTCTGGGGCCACCTAACAT
 GCAGTGTAGACTCTGCGCGACCTGTTGGCTGTATTGGAAAAAGTATGGAGGTCTGAAAATGCCTACCCAG
 TCAGACGAAGAGAAGTCTCCAGCCGACTGCAGAGGACCCGCGCAAGAGCCACATGTCCCGCAGG
 CCTTGCAGGGCATGCCGGTCCGGAACACCGGAAGCCCAAGTCTGCAGTGAAGACCCGCCAAGCTTTCTT
 CCTTCGTACTACGTATTTCAAAAAATTGCTCGTCAGGCTGCAAAAGCACCCCTGCGGCTGCGGCAGGCA
 GCGAGACGGCCGTTTGTGCTATTAATTGCTGCCATTAGGGCAGAATATGCAGACAGACATGCCGAAC
 TTTCTGGAAGCCCACTGAAAAGCAGAAGCACCAGGAAACCTTTGTCGTATCATTGGGTATTTAGAGAT
 CCATCCCGCAAAGAACTAATGTAATTCGGTCTCCACCAAGCCTGCAAACTCCAGTACCAAGAGGATG
 CTCGCCGCTCCGAATCACACATCTCTGAGCATTCTGGGAAAAGAACTACAGCCATCACAATGGTCTAG
 ATGGTACG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3158_a07.zip

Restriction Sites: Sgfl-Mlul

ACCN: NM_001171052

Insert Size: 1761 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: [NM_001171052.1](#), [NP_001164523.1](#)

RefSeq Size: 2673 bp

RefSeq ORF: 1761 bp

Locus ID: 116871

Cytogenetics: 17 E4

Gene Summary: Plays a role in maintenance of the normal epithelial architecture through the repression of SNAI1 transcription in a histone deacetylase-dependent manner, and thus the regulation of E-cadherin levels. Contributes to transcriptional repression by BCL6 (By similarity).
[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest transcript and encodes isoform 1.