

Product datasheet for **MC217954**

Mta3 (NM_001171054) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mta3 (NM_001171054) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mta3
Synonyms:	1110002J22Rik; mKIAA1266
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217954 representing NM_001171054
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGCCAACATGTACCGGGTCGGAGACTACGTTTATTTGAGAATTCCTCCAGCAACCCGTACCTCA
TCAGACGGATAGAGGAGCTCAACAAGACTGCAAGTGGCAATGTGGAAGCAAAAGTCGTCTGCTTTTACAG
AAGACGGGACATCTCAACACGCTTATCATGCTCGCCGACAAGCATGCTAAAGAACTGAGGAGGAGTCG
GAGACGCCAGTTGAGGCCGACTTGACGGAGAAGCAGAAGCACCAGCTGAAACACAGGGAGCTCTTTCTGT
CGCGCCAGTACGAGTCACTGCCTGCGACACATACAGGGGGAAGTGCAGCGTGGCCCTGTGAATGAGAC
AGAATCCGTGTTGTCATACCTTGACAAGGAGGATACCTTCTTCTACTCACTGGTATACGACCCTTCAGTG
AAAACATTATTGGCTGACAAAGGTGAAATCAGAGTGGGCCAAAGTACCAAGCTGACATTCCAGACATGC
TACCAGAAGGAGACTCAGATGAGAGGGAACAATCAAAATTGGAAGTTAAGGTTTGGGACCCCAATAGCCC
ACTTACGGATCGACAGATTGACCAGTTTTAGTTGTAGCCCGTGGCGTGGGAACATTTGCCCGAGCCCTG
GACTGCAGCAGCTCCGTGAGGCAACCCAGCCTTACATGAGTGCAGCCGAGCCTCCCGAGACATCACT
TGTTTCATGCCATGGACACACTGTACAGGCACGGCTATGACCTCAGCAGCGCCATCAGTGTGCTGGTGCC
GCTCGGAGGGCCAGTCTCTGCAGGGACGAGATGGAGGAGTGGTCGGCTCTGAAGCCTGCCTATTTCGAA
GAAGCACTGGAAAAATACGGCAAAGATTCAACGACATTCGTGAGGACTTTCTCCCGTGGAAATCCTTGA
CTAGCATCATTGAATATTATTACATGTGGAAACTACTGACAGATACGTGCAGCAGAAGCGCCTAAAGGC
CGCAGAAGCCGAGAGCAAAGTGAACAAGTGTACATCCCGACTTACAACCAAAATCCCAACCAAACTCC
AGCAGCAACGGCAAGGCTGGCACTGTGAATGGAGCTGTGGGACCCAGTTTCAGCCCGAGAGCGCCCTCC
TAGGGCGAGCCTGCGAGAGCTGCTACGCCACAGTCTCATCAGTGGTATTCTGGGGCCACCTAACAT
GCAGTGTAGACTCTGCGGACCTGTTGGCTGATTGGAAAAAGTATGGAGGTCTGAAAATGCCTACCCAG
TCAGACGAAGAGAAGTCTCCAGCCGACTGCAGAGGACCCGCGCAAGAAGCCACATGTCCCGCAGG
CCTTGCAGGGCATGCCGGTCCGGAACACCGGAAGCCCAAGTCTGCAGTGAAGACCCGCCAAGCTTTCTT
CCTTCGTACTACGTATTTCAAAAAATTGCTCGTCAGGCTGCAAAAGCACCCCTGCGGCTGCGGCAGGCA
GCGAGACGGCCGTTTGTGCTATTAATTATGCTGCCATTAGGGCAGAATGTAAGACGCTTTTCAATTCTT
AA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001171054

Insert Size: 1542 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_001171054.1](#), [NP_001164525.1](#)

RefSeq Size: 1737 bp

RefSeq ORF: 1542 bp

Locus ID: 116871

UniProt ID: [Q924K8](#)

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 (4) differs in the 3' coding region and 3' UTR compared to variant 1. The resulting isoform (4) has a distinct C-terminus and is shorter than isoform 1.