

Product datasheet for **MG223306**

Mta3 (NM_001171053) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Mta3 (NM_001171053) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Mta3 |
| Synonyms: | 1110002J22Rik; mKIAA1266 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>MG223306 representing NM_001171053
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGCCAACATGTACCGGGTCGGAGACTACGTTTATTTGAGAATTCCTCCAGCAACCCGTACCTCA
 TCAGACGGATAGAGGAGCTCAACAAGACTGCAAGTGGCAATGTGGAAGCAAAAGTCGTCTGCTTTTACAG
 AAGACGGGACATCTCAACACGCTTATCATGCTCGCCGACAAGCATGCTAAAGAACTGAGGAGGAGTCG
 GAGACGCCAGTTGAGGCCGACTTGACGGAGAAGCAGAAGCACCAGCTGAAACACAGGGAGCTCTTTCTGT
 CGCGCCAGTACGAGTCACTGCCTGCGACACATACAGGGGGAAGTGCAGCGTGGCCCTGTGAATGAGAC
 AGAATCCGTGTTGTCATACCTTGACAAGGAGGATACCTTCTTCTACTCACTGGTATACGACCCTTCAGTG
 AAAACATTATTGGCTGACAAAGGTGAAATCAGAGTGGGCCAAAGTACCAAGCTGACATTCCAGACATGC
 TACCAGAAGGAGACTCAGATGAGAGGGAACAATCAAAATTGGAAGTTAAGGTTTGGGACCCCAATAGCCC
 ACTTACGGATCGACAGATTGACCAGTTTTAGTTGTAGCCGTGCCGTGGGAACATTTGCCCGAGCCCTG
 GACTGCAGCAGCTCCGTGAGGCAACCCAGCCTTACATGAGTGCAGCCGAGCCTCCCGAGACATCACT
 TGTTTCATGCCATGGACACACTGTACAGGCACGGCTATGACCTCAGCAGCGCCATCAGTGTGCTGGTGCC
 GCTCGGAGGGCCAGTCTCTGCAGGGACGAGATGGAGGAGTGGTCCGCTCTGAAGCCTGCCTATTCCGAA
 GAAGCACTGGAAAAATACGGCAAAGATTTCAACGACATTCGTGAGGACTTTCTCCCGTGGAAATCCTTGA
 CTAGCATCATTGAATATTATTACATGTGGAAAACACTGACAGATACGTGCAGCAGAAGCGCCTAAAGGC
 CGCAGAAGCCGAGAGCAAACGAAAGTGTACATCCCGACTTACAACCAAAATCCAACCAAAATCTCC
 AGCAGCAACGGCAAGGCTGGCACTGTGAATGGAGCTGTGGGACCCAGTTTCAGCCCCAGAGCGCCCTCC
 TAGGGCGAGCCTGCGAGAGCTGCTACGCCACAGTCTCATCAGTGGTATTCTGGGGCCACCTAACAT
 GCAGTGTAGACTCTGCGCGACTGTTGGCTGTATTGGAAAAAGTATGGAGGTCTGAAAATGCCTACCCAG
 TCAGACGAAGAGAAGTCTCCAGCCGACTGCAGAGGACCCGCGCGCAAGAAGCCACATGTCGCGCAGG
 CCTTGCAGGGCATGCCGGTCCGGAACACCGGAAGCCCAAGTCTGCAGTGAAGACCCGCCAAGCTTTCTT
 CCTTCGTACTACGTATTTCAAAAAATTGCTCGTCAGGCTGCAAAAGCACCCCTGCGGCTGCGGCAGGCA
 GCGAGACGGCCGTTTGTGCTATTAATTATGCTGCCATTAGGGCAGAATGTAAGACGCTTTTCAATTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG223306 representing NM_001171053
 Red=Cloning site Green=Tags(s)

MAANMYRVGDYVYFENSSNPYLIRRIEELNKTAGSNVEAKVVCFYRRRDISNTLIMLADKHAKETEEES
 ETPVEADLTEKQKHQLKHRELFSLRQYESLPATHIRGKCSVALLNETESVLSYLDKEDTFFYSLVYDPSV
 KTLILLADKGEIRVGPKYQADIPDMLPEGDSDEREQSKLEVKVWDPNSPLTDRQIDQFLVVARAVGTFARAL
 DCSSSVRQPSLHMSAAAASRDITLPHAMDTLYRHGYDLSSAISVLVPLGGPVLCRDEMEEWSASEACLF
 EALEKYGKDFNDRQDFLPWKSLSIIEYYMMWKTDRYVQKRLKAAEAESKLGQVYIPTYKPNPNQIS
 SSNGKAGTVNGAVGTQFQPQSALLGRACESYATQSHQWYSWGPNNMQCRLCATCWLYWKKYGGKMPQTQ
 SDEEKSPSPTAEDPRARSHMSRQALQGMVPRNTGSPKSAVKTRQAFFLRTTYFTKIARQVCKSTLRLRQA
 ARRPFVAINYAAIRAECKTLFNS

TRTRPLE - GFP Tag - V

Chromatograms:

https://cdn.origene.com/chromatograms/ja3476_c04.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001171053

ORF Size: 1539 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001171053.1](#), [NP_001164524.1](#)

RefSeq Size: 1740 bp

RefSeq ORF: 1545 bp

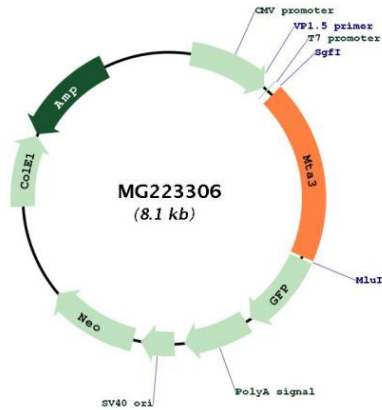
Locus ID: 116871

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]

Product images:



Circular map for MG223306