

Product datasheet for **MG224341**

Mta3 (NM_054082) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Mta3 (NM_054082) 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:

>MG224341 representing NM_054082
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGCCAACATGTACCGGGTCGGAGACTACGTTTATTTGAGAATTCCTCCAGCAACCCGTACCTCA
 TCAGACGGATAGAGGAGCTCAACAAGACTGCAAGTGGCAATGTGGAAGCAAAAGTCGTCTGCTTTTACAG
 AAGACGGGACATCTCAACACGCTTATCATGCTCGCCGACAAGCATGCTAAAGAACTGAGGAGGAGTCG
 GAGACGCCAGTTGAGGCCGACTTGACGGAGAAGCAGAAGCACCAGCTGAAACACAGGGAGCTCTTTCTGT
 CGCGCCAGTACGAGTCACTGCCTGCGACACATACAGGGGGAAGTGCAGCGTGGCCCTGTGAATGAGAC
 AGAATCCGTGTTGCATACCTTGACAAGGAGGATACCTTCTTCTACTCACTGGTATACGACCCTTCAGTG
 AAAACATTATTGGCTGACAAAGGTGAAATCAGAGTGGCCCAAAGTACCAAGCTGACATTCCAGACATGC
 TACCAGAAGACTCAGATGAGAGGGAACAATCAAATTGGAAGTTAAGTTTGGGACCCCAATAGCCCACT
 TACGGATCGACAGATTGACCAGTTTTTAGTTGTAGCCCGTCCCGTGGGAACATTTGCCCGAGCCCTGGAC
 TGCAGCAGCTCCGTGAGGCAACCCAGCCTTCACATGAGTGCAGCCGACGCTCCCGAGACATCACCTTGT
 TTCATGCCATGGACACACTGTACAGGCACGGCTATGACCTCAGCAGCGCCATCAGTGTGCTGGTGCCGT
 CGGAGGGCCAGTCTCTGACGGGACGAGATGGAGGAGTGGTGGCCTCTGAAGCCTGCCTATTCCAAGAA
 GCCTGGAAAAATACGGCAAAGATTTCAACGACATTCGTCAGGACTTTCTCCCGTGGAAATCCTTGACTA
 GCATCATTGAATATTATTACATGTGAAAACTACTGACAGATACGTGCAGCAGAAGCGCCTAAAGGCCGC
 AGAAGCCGAGAGCAAACCTGAAACAAGTGTACATCCCGACTTACAAACCAATCCCAACCAATCTCCAGC
 AGCAACGGCAAGGCTGGCACTGTGAATGGAGCTGTGGGACCCAGTTTTCAGCCCCAGAGCCCTCCTAG
 GCGGACCTGCGAGAGCTGTACGCCACACAGTCTCATCAGTGGTATTCTTGGGGCCACACAACTAACATGA
 GTGTAGACTCTGCGGACCTGTTGGCTGTATTGAAAAAGTATGGAGGTCTGAAAAATGCCTACCCAGTCA
 GACGAAGAGAAGTCTCCAGCCGACTGCAGAGGACCCGCGCGCAAGAAGCCACATGTCCCGCAGGCGCT
 TGCAGGGCATGCCGTCGGAACACCGGAAGCCCAAGTCTGCAGTGAAGACCCGCAAGCTTTCTTCTCT
 TCGTACTACGTATTTACAAAAATTGCTCGTCAGGTCTGCAAAAGCACCTGCGGCTGCGGCAGGCAGCG
 AGACGGCCGTTTGTGCTATTAATTATGCTGCCATTAGGGCAGAATATGCAGACAGACATGCCGAACCTT
 CTGGAAGCCCACTGAAAAGCAGAAGCACCAGGAAACCTTTGTCTGTATCATTGGGTATTTAGAGATCCA
 TCCCGCAAAGAACTAATGTAATTCGGTCTCCACCAAGCCTGCAAACCTCAGCTACCAAGAGGATGCTC
 GCCGCTCCGAATCACACATCTCTGAGCATTCTGGGAAAAAGAACTACAGCCATACAATGGTCTAGATG
 GGCCAGAACGATGGCTAAGCAGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG224341 representing NM_054082
 Red=Cloning site Green=Tags(s)

MAANMYRVGDYVYFENSSNPYLIRRIEELNKTAGSNVEAKVVCFYRRRDISNTLIMLADKHAKETEEES
 ETPVEADLTEKQKHQLKHRELFSLRQYESLPATHIRGKCSVALLNETESVLSYLDKEDTFFYSLVYDPSV
 KTL LADKGEIRVGPKYQADIPDMLPEDSDEREQSKLEVKVWDPNSPLTDRQIDQFLVVARAVGTFARALD
 CSSSVRQPSLHMSAAAASRDITLFHAMDTLYRHGYDLSSAISVLVPLGGPVLCRDEMEEWSASEACL FEE
 ALEKYGKDFNDRQDFLPWKSLTSII EYYMWKTTDRYVQKRLKAAEAESK LKQVYIPTYKPNPNQISS
 SNGKAGTVNGAVGTQFQPQSALLGRACESCYATQSHQWYSWGPNNMQRLCATCWLYWKKYGLKMPQTQS
 DEEKSPSPTAEDPRARSHMSRQALQGMPVRNTGSPKSAVKTRQAFRLRTTYFTKIARQVCKSTLRLRQAA
 RRPFVAINYAAIRA EYADRHAELSGSPLKSRSTRKPLSCIIGYLEIHPAKKPNVIRSPSLQTPATKRML
 AAPNHTLSILGKRNYSHHGLDGPWRWLSR

TRTRPLE – GFP Tag – V

Chromatograms:

https://cdn.origene.com/chromatograms/ja3494_h02.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_054082

ORF Size: 1773 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_054082.2](#), [NP_473423.1](#)

RefSeq Size: 2115 bp

RefSeq ORF: 1776 bp

Locus ID: 116871

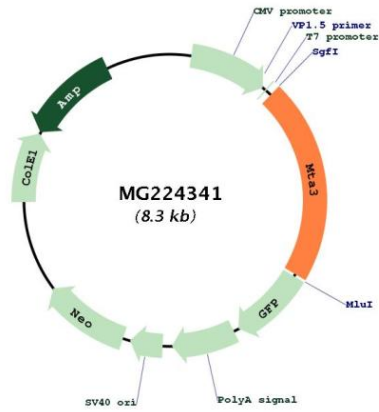
UniProt ID: [Q924K8](#)

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]

Product images:



Circular map for MG224341