

Product datasheet for **MG208244**

Mta3 (BC022124) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mta3 (BC022124) 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)



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ORF Nucleotide Sequence:

>MG208244 representing BC022124
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGCCAACATGTACCGGGTCGGAGACTACGTTTATTTGAGAATTCCTCCAGCAACCCGTACCTCA
 TCAGACGGATAGAGGAGCTCAACAAGACTGCAAGTGGCAATGTGGAAGCAAAAGTCGTCTGCTTTTACAG
 AAGACGGGACATCTCAACACGCTTATCATGCTCGCCGACAAGCATGCTAAAGAACTGAGGAGGAGTCG
 GAGACGCCAGTTGAGGCCGACTTGACGGAGAAGCAGAAGCACCAGCTGAAACACAGGGAGCTCTTTCTGT
 CGCGCCAGTACGAGTCACTGCCTGCGACACATATCAGGGGGAAGTGCAGCGTGGCCCTGTGAATGAGAC
 AGAATCCGTGTTGTCATACCTTGACAAGGAGGATACCTTCTTCTACTCACTGGTATACGACCCTTCAGTG
 AAAACATTATTGGCTGACAAAGGTGAAATCAGAGTGGGCCAAAGTACCAAGCTGACATTCCAGACATGC
 TACCAGAAGGAGACTCAGATGAGAGGGAACAATCAAAATTGGAAGTTAAGGTTTGGGACCCCAATAGCCC
 ACTTACGGATCGACAGATTGACCAGTTTTAGTTGTAGCCCGTCCGTTGGGAACATTTGCCCGAGCCCTG
 GACTGCAGCAGCTCCGTGAGGCAACCCAGCCTTACATGAGTGCAGCCGAGCCTCCCGAGACATCACCT
 TGTTTCATGCCATGGACACACTGTACAGGCACGGCTATGACCTCAGCAGCGCCATCAGTGTGCTGGTGCC
 GCTCGGAGGGCCAGTCTCTGCAGGGACGAGATGGAGGAGTGGTCCGCTCTGAAGCCTGCCTATTCCGAA
 GAAGCACTGGAAAAATACGGCAAAGATTCAACGACATTCGTGAGGACTTTCTCCCGTGGAAATCCTTGA
 CTAGCATCATTGAATATTATTACATGTGGAAAACACTGACAGATACGTGCAGCAGAAGCGCCTAAAGGC
 CGCAGAAGCCGAGAGCAAACGAAAGTGTACATCCCGACTTACAACCAAAATCCAACCAAAATCTCC
 AGCAGCAACCGCAAGGCTGGCACTGTGAATGGAGCTGTGGGACCCAGTTTCAGCCCCAGAGCGCCCTCC
 TAGGGCGAGCCTGCGAGAGCTGCTACGCCACAGTCTCATCAGTGGTATTCTGGGGCCACCTAACAT
 GCAGTGTAGACTCTGCGCGACTGTTGGCTGTATTGGAAAAAGTATGGAGGTCTGAAAATGCCTACCCAG
 TCAGACGAAGAGAAGTCTCCAGCCGACTGCAGAGGACCCGCGCGCAAGAAGCCACATGTCGCGCAGG
 CCTTGCAGGGCATGCCGGTCCGGAACACCGGAAGCCCAAGTCTGCAGTGAAGACCCGCCAAGCTTCTT
 CCTTCGTACTACGTATTTCAAAAAATTGCTCGTCAGGCTGCAAAAGCACCCCTGCGGCTGCGGCAGGCA
 GCGAGACGGCCGTTTGTGCTATTAATTATGCTGCCATTAGGGCAGAATGTAAGACGCTTTTCAATTCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG208244 representing BC022124
 Red=Cloning site Green=Tags(s)

MAANMYRVGDYVYFENSSNPYLIRRIEELNKTAGSNVEAKVVCFYRRRDISNTLIMLADKHAKETEES
 ETPVEADLTEKQKHQLKHRELFSLRQYESLPATHIRGKCSVALLNETESVLSYLDKEDTFFYSLVYDPSV
 KTLILLADKGEIRVGPKYQADIPDMLPEGDSDEREQSKLEVKVPDNPSPLDTRQIDQFLVVARAVGTFARAL
 DCSSSVRQPSLHMSAAAASRDITLFHAMDTLYRHGYDLSSAISVLVPLGGPVLCRDEMEEWSASEACLF
 EALEKYGKDFNDIRQDFLPWKSLSIIEYYMWKTTDRYVQKRLKAAEAESKLRQVYIPTYKPNPNQIS
 SSNGKAGTVNGAVGTQFQPQSALLGRACESYATQSHQWYSWGPPNMQCRLCATCWLYWKKYGLKMPTQ
 SDEEKSPSPTAEDPRARSHMSRQALQGMVPRNTGSPKSAVKTRQAFRLTTYFTKIARQVCKSTLRLRQA
 ARRPFVAINYAAIRAECKTLFNS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: BC022124

ORF Size: 1541 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: [BC022124](#), [AAH22124](#)

RefSeq Size: 1738 bp

RefSeq ORF: 1541 bp

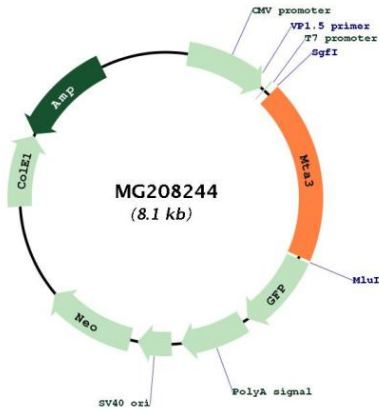
Locus ID: 116871

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 MG208244