

Product datasheet for **RG208795**

MTA3 (NM_020744) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTA3 (NM_020744) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MTA3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG208795 representing NM_020744
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGCCAACATGTACCGGGTCGGAGATTATGTCTACTTTGAGAATTCCTCCAGCAACCCATACCTAA
 TAAGAAGGATAGAAGAACTCAACAAGACTGCAAGTGGCAACGTGGAAGCAAAAGTAGTATGCTTTTATAG
 ACGACGTGATATTTCCAACACACTTATAATGCTCGCAGATAAGCATGCTAAAGAAATTGAGGAAGATCT
 GAAACAACAGTTGAGGCTGACTTGACCGATAAGCAGAAACATCAGTTGAAACATAGGGAACCTTTTTGT
 CACGCCAGTATGAATCTCTGCCCAACACATATCAGGGGAAAGTGCAGTGTGCCCTTCTGAATGAGAC
 AGAATCAGTATTGCATATCTTGATAAGGAGGATACCTTCTTCTACTCATTGGTCTATGACCCTCATTG
 AAAACACTATTAGCTGACAAAGGTGAAATCAGAGTGGGACCTAGATATCAAGCAGACATTCCAGAAATGC
 TGTTAGAAGGAGAATCAGATGAGAGGGAACAATCAAAATTGGAAGTTAAAGTTGGGATCCAATAGCCC
 ACTTACGGATCGACAGATTGACCAGTTTTAGTTGTAGCAGTGTGTTGGGACATTGCCAGAGCCCTG
 GATTGCAGCAGTTCTGTGAGGCAGCCTAGTTTGCATATGAGTGTGCTGCAGCTCCCGAGACATCACCT
 TGTTTTACGCTATGGATACATTGTATAGACACAGCTATGATTTGAGCAGTGCCATTAGTGTCTTAGTACC
 ACTCGGAGGACCTGTTTTATGCAGAGATGAAATGGAGGAATGGTCAGCCTCTGAAGCTAGCTTATTTGAA
 GAGGCACTGGAAAAATATGGCAAAGACTTCAATGACATACGGCAAGATTTTCTTCTTGGAAATCATTGA
 CTAGCATCATTGAATATTATTACATGTGGAAAACACTACTGACAGATATGTGCAACAGAAACGTCTAAAAGC
 AGCAGAAGCTGAGAGTAAACTGAAACAAGTATATATCCCAACCTACAGCAAACCAATCCCAACCAATA
 TCCACTAGTAATGGGAAGCCTGGTGTGTAATGGAGCTGTGGGACCACGTTCCAGCCTCAGAATCCTC
 TCTTAGGGAGAGCCTGTGAGAGCTGCTATGCTACACAGTCTCACCAGTGGTATTCTTGGGGCCCACTAA
 TATGCAGTGTAGATTATGTGCAATTTGTTGGCTTTATTGGAAAAAATATGGAGGCTTGAAAAATGCCACC
 CAGTCAGAAGAAGAGAAGTTATCTCTAGCCAACTACAGAGGACCCTCGTGTGTAAGTACAGTGTCCC
 GCCAGGCCATGCAGGGAATGCCAGTCCGAAACACTGGGAGTCCAAAGTCTGCAGTGAAGACCCGCCAAGC
 TTTCTTCTTCACTACATATTTCAAAAATTTGCTCGTCAGGTCTGCAAAAATACCCTCCGGCTCGCG
 CAGGCAGCAAGACGGCCGTTTGTGCTATTAATTATGCTGCCATTAGGGCAGAATGTAAGATGCTTTTAA
 ATTCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG208795 representing NM_020744
 Red=Cloning site Green=Tags(s)

MAANMYRVGDYVYFENSSNPYLIRRIEELNKTASGNVEAKVVCFYRRRDISNTLIMLADKHAKEIEEES
 ETTVEADLTDKQKHQLKHRELFSLRQYESLPATHIRGKCSVALLNETESVLSYLDKEDTFFYSLVYDPSL
 KTL LADKGEIRVGPRYQADIPEMLLLEGESDEREQSKLEVKVDPN SPL TDRQIDQFLVVARAVGTFARAL
 DCSSSVRQPSLHMSAAAASRDITLFHAMDTLYRHSYDLSSAISVLVPLGGPVLCRDEMEEWSASEASLFE
 EALEKYGKDFNDIRQDFLPWKSLTSIIIEYYMWKTTDRYVQKRLKAAEAESKLKQVYIPTYSKPNPNI
 STSNGKPGAVNGAVGTTFPQPNLLGRACESCYATQSHQWYSWGPPNMQCRLCAICWL YWKYGGGLKMP
 QSEEEKLSPSPTTEDPRVRSVSRQAMQMPVVRNTGSPKSAVKTRQAFLLHTTYFTKFARQVCKNTRLRLR
 QAARRPFVAINYAAIRAECKMLLNS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_020744

ORF Size: 1545 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_020744.3](#)

RefSeq Size: 1872 bp

RefSeq ORF: 1548 bp

Locus ID: 57504

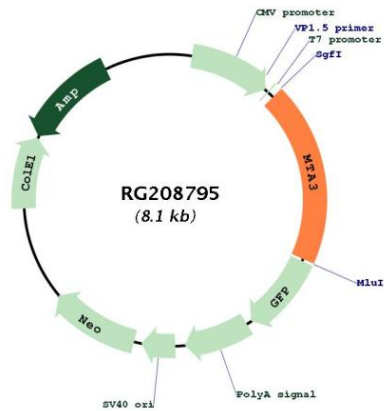
UniProt ID: [Q9BTC8](#)

Cytogenetics: 2p21

Protein Families: Transcription Factors

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.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG208795