

Product datasheet for **MR216628**

Mt4 (NM_008631) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mt4 (NM_008631) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mt4
Synonyms: MT-IV
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR216628 representing NM_008631
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

**ATGGACCCTGGGGAATGCACGTGTATGTCTGGAGGGATCTGCATCTGCGGAGATAATTGCAAATGCACAA
CCTGCAGCTGTAAAACCTGTCGTAAAAGCTGCTGTCCCTGCTGTCCCCAGGCTGTGCCAAGTGTGCCCG
GGGCTGCATCTGCAAAGGGGTTTCAGACAAGTGCAGCTGCTGTCCC**

**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence: >MR216628 representing NM_008631
Red=Cloning site Green=Tags(s)

MDPGECTMSGGICICGDNCKCTCCKTCRKSCCPGCCPPGCAKARGCICKGGSDKSCCP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9050_c05.zip

Restriction Sites: Sgfl-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_008631

ORF Size: 189 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.

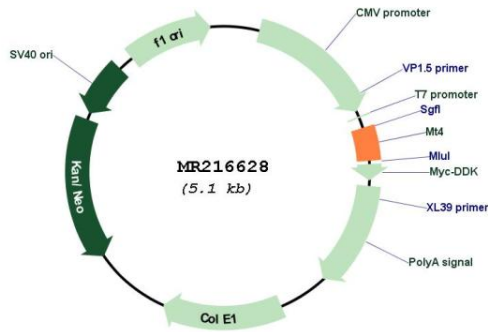
RefSeq: [NM_008631.3](#)

RefSeq Size: 392 bp

RefSeq ORF: 189 bp

Locus ID: 17752
UniProt ID: [P47945](#)
Cytogenetics: 8 46.26 cM
MW: 6.3 kDa
Gene Summary: Seems to bind zinc and copper. Could play a special role in regulating zinc metabolism during the differentiation of stratified epithelia.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216628