

## Product datasheet for MC208987

### Mt4 (NM\_008631) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mt4 (NM_008631) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mt4
Synonyms:	MT-IV
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208987 representing NM_008631 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGGACCCTGGGAATGCACGTGTATGTCTGGAGGGATCTGCATCTGCGGAGATAATTGCAAATGCACAA  
 CCTGCAGCTGTAAACCTGTCGTAAAAGCTGCTGTCCCTGCTGTCCCCAGGCTGTGCCAAGTGCCCCG  
 GGGCTGCATCTGCAAAGGGGTTTCAGACAAGTGCAGCTGCTGTCCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_008631
Insert Size:	189 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).


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<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u><a href="#">NM_008631.2</a></u> , <u><a href="#">NP_032657.1</a></u>
<b>RefSeq Size:</b>	392 bp
<b>RefSeq ORF:</b>	189 bp
<b>Locus ID:</b>	17752
<b>UniProt ID:</b>	<u><a href="#">P47945</a></u>
<b>Cytogenetics:</b>	8 46.26 cM
<b>Gene Summary:</b>	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]