

Product datasheet for **RN205870**

Mt3 (NM_053968) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mt3 (NM_053968) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mt3
Synonyms:	GIF; Mt-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN205870 representing NM_053968 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGACCCTGAGACCTGCCCTGTCTACTGGTGGTTCCTGCACCTGCTCGGACAAATGCAAATGCAAGG
 GCTGCAAATGCACGAAGTCAAGAAGAGCTGCTGCTCCTGTTGCCCTGCAGGATGTGAGAAGTGTGCCAA
 GGACTGTGTTTGCAAAGGCGAAGAGGGGGCCAAGGCCGAGAAATGCAGCTGCTGCCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_053968
Insert Size:	201 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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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_053968.3](#), [NP_446420.1](#)

RefSeq Size: 405 bp

RefSeq ORF: 201 bp

Locus ID: 117038

UniProt ID: [P37361](#)

Cytogenetics: 19p12

Gene Summary: heavy metal binding protein; acts as an inhibitor of neurite sprouting and deficiency may play a role in Alzheimer's disease [RGD, Feb 2006]