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Product datasheet for RN205601

Mt2A (NM_001137564) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mt2A (NM_001137564) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mt2A
Synonyms:	Mt2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN205601 representing NM_001137564 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGACCCCAACTGCTCCTGTGCCACAGATGGATCCTGCTCCTGCGCTGGCTCCTGCAAATGCAAACAAT GCAAATGCACCTCCTGCAAGAAAAGCTGCTGTTCCTGCTGCCCCGTGGGCTGTGCGAAGTGCTCCCAGGG CTGCATCTGCAAAGAGGCTTCGGACAAGTGCAGCTGCTGCGCCTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001137564
Insert Size:	186 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_001137564.1, NP_001131036.1
RefSeq Size:	449 bp
RefSeq ORF:	186 bp
Locus ID:	689415
UniProt ID:	P04355
Cytogenetics:	19p12
Gene Summary:	Metallothioneins have a high content of cysteine residues that bind various heavy metals; these proteins are transcriptionally regulated by both heavy metals and glucocorticoids. [UniProtKB/Swiss-Prot Function]