

Product datasheet for **SC122889**

NT5M (NM_020201) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NT5M (NM_020201) Human Untagged Clone
Tag:	Tag Free
Symbol:	NT5M
Synonyms:	dNT-2; dNT2; mdN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_020201 edited
 CGCGCCCGCACCCCGCGCTCCCCGCCCGCTCCCCGTCCCGCGCTCCACGCGCGCCCGAG
 CGTTGGGGGCTTCTCCTCCGCGGGCGGAATGTCTGGCCGGCTCCGGCAGCACGGCGCGGC
 CCAGGTCCCCGCGCCACGACGGGCCAGCGCGCTGGGCCATGATCCGGCTGGGCGGCTGG
 TGTGCGCGGGCGCTCTGCAGCGCGGGTCCCGCGGGGCGCGGGGGCGGGCGGGG
 CTGGGCTGGCGGGAGGCCGCGCCCTACGGGTGCTGGTGGACATGGACGGCGTGTGGCT
 GACTTCGAGGGCGGATTCTCAGGAAGTCCCGCGCGCTTTCCGACCAGCCCTTCATC
 GCGCTGGAGGACCGCGCGGCTTCTGGGTGTCGGAGCAGTACGGCCGCTGCGGCCAGGG
 CTGAGCGAGAAGGCCATCAGCATTGGGAGTCAAAGAATTTCTTTTTGAACTTGAGCCT
 CTGCCAGGGGCCGTGGAAGCTGTCAAGGAGATGGCCAGCCTACAAAACACTGACGTCTTC
 ATCTGCACAAGCCCCATCAAGATGTTCAAGTACTGTCCCTATGAGAAGTATGCCTGGGTG
 GAGAAGTACTTTGGCCCTGACTTTCTGGAGCAGATTGTGCTGACCAGAGACAAGACCGTG
 GTCTCTGCTGACCTTCTCATAGACGACCGCCGGACATCACAGGGGCCGAGCCAACCCCC
 AGCTGGGAGCATGCTCTTCACTGCCTGCCACAACCAGCACCTGCAGCTGCAGCCCCC
 CGCCGACGGCTGCACTCGTGGGCGGACACTGGAAGGCCATTCTGGACAGCAAGCGGCC
 TGCTGAGCTGGACTGTGCTTCGGGCTCCTCTGTGGGGCTCTGACCTCAGGGCTCCAGCT
 CGGGCCCTGTGGGGCCAGTATGCTGGTCTGGGAGTCCCTCCTAGACTCCTGGGCCCATG
 ACCTCCTGCTGCATGTCCCTTCCCTTCCCAGCCCTGCCAGGCCTAACCTGATCACGGG
 GCAGGGCTGGGCCCTCTGGGCGCTTGGACATAGACACGTGGTCCCAGGCCGTTACGCTG
 ACCTCAGGCAGCAGGCACCAAGCTGCCAGAAGCCAGGGGCTCAGGACAGGGAGGAGTTG
 AGGCCACTGTTTAGGGGGCTGGTGGCCGTCTCCACTCCCTAGGCAAGTTCTCTGAGGCAG
 AAGGGGTTCCCTGTTCCAGAGTCTGCAGCCATCAGCAAGGAGGACCAGGAACCCGGC
 ACTGAGGTGCTTCCAGTGGGACAAGCCCTCTTGGTCTCAGCCACAGCACCCCTTATT
 CCAGTGCCTTGCCCAACCTGCTCACCCACATGACCTTCTGTGTATTAGCAAAACTC
 ACTAGGTGACAGCGGCCACCAGGCTCTGTGCTGGGGACGATACTGGCCCTGGCCTCGAC
 CAGCTTAGAGTTTCTCACACTCTGTTCCAGGGCCCCGCTCAGGGCCAGCAGAGAGT
 CCGTAGGCTTGAACATGTGTTGAGTGCATGAAAAATAAATGCTGTTATGTGTAGCTC
 AA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_020201 unedited
 GCCAGATTTGTAACCACTTCATATAGGCGGCCGCGACTTCCCGGATCGCGCCCGCACC
 CCGCGCTCCCCGCCCGCTCCCCGTCCCGCGCTCCACGCGCGCCCGAGCCTTGGGGGCTT
 CTCCTCCGCGGGCGGAATGTCTGGCCGGCTCCGGCAGCACGGCGCGGCCATGTCCCCGC
 GCCACGACGGGCCAGCGCGCTGGGCCATGATCCGGCTGGGCGGCTGGTGTGCGCGCGG
 CTCTGCAGCGCGCGGTTCCCGCGGGGCGCGCGGGGCGGGCGGGGCTGGCCCTGGCG
 GGAGGCCGCGCCCTACGGGTGCTGGTGGACATGGACGGCGTGTGGCTGACTTCGAGGGC
 GGATTCCTCAGGAAGTCCCGCGCGCTTTCCGACCAGCCCTTCATCGCGCTGGAGGAC
 CGGCGCGGCTTCTGGGTGTCGGAGCAGTACGGCCGCTGCGGCCAGGGCTGATCGAGAAT
 GCCATCAGCATTGGGAGTCAAAGAATTTCTTTTTGAACTTGAGCCTCTGCCAGGGGCC
 GTGGAAGCTGTCAAGGAGATGGCCAGCCTACAAAACACTGACGTCTTCATCTGCACAAGC
 CCCATCAAGATGTTCAAGTACTGTCCCTATGAGAAGTATGCCCTGGGTGGAGAAGTACTT
 TTGGCCCTGACTTTCTGGAGCAAATTTGTGCTGACCAGAGACAAGGACCGTGTCTCTGCT
 GACCTTCTCATAGACGACCGCCGACATCACAGGGCCCCGACCCACCCCCAGCTGGGAGC
 ATGTCCTCCTCAATGCCTGCCACAACCAGCACCTGCAATTGCAGCCCCCCCCGCCGAGG
 CTGCACTCGGGGGCGGACACTGGAAGCCTTTCTGAAAAGCAGCCGGCCTTGTGAACT
 GGACTGGGCTTCGGCCTCCTCTGTGGGGTCTAACCTAGGGCTCC

Restriction Sites: Please inquire

ACCN: NM_020201

Insert Size: 1607 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).
Reconstitution Method:	<ol style="list-style-type: none">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_020201.3 , NP_064586.1
RefSeq Size:	1633 bp
RefSeq ORF:	687 bp
Locus ID:	56953
UniProt ID:	Q9NPB1
Cytogenetics:	17p11.2
Protein Pathways:	Metabolic pathways, Nicotinate and nicotinamide metabolism, Purine metabolism, Pyrimidine metabolism
Gene Summary:	This gene encodes a 5' nucleotidase that localizes to the mitochondrial matrix. This enzyme dephosphorylates the 5'- and 2'(3')-phosphates of uracil and thymine deoxyribonucleotides. The gene is located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq, Jul 2008]