

## Product datasheet for **RN212064**

### Myt1l (NM\_053888) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Myt1l (NM_053888) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Myt1l
Synonyms:	Nzf-1; Nzf1; Nztf1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN212064 representing NM_053888 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGACGTGGACGCTGAGGAGAAGCGCCATCGCACACGGTCCAAAGGGGTTTCGAGTTCCTGTGGAGCCAG  
CCATACAAGAGCTGTTTCAGCTGTCCACTCCAGGCTGCGACGGCACGGGTCATGTCAGTGGCAAATATGC  
ACGACACAGAAGTGTATATGGTTGTCCCTTGGCTAAAAAGAGAAAGACGCAAGATAAACAGCCCCAAGAA  
CCTGCTCCAAGCGAAAACCATTTGCAGTAAAAGCAGATAGTTCTTCAGTAGACGAATGCTATGAGAGTG  
ATGGCACTGAAGACATGGATGATAAGGAAGAGGATGATGATGAGGAGTTCCTGAAGACAATGATGAGCA  
AGGGGATGATGATGATGAAGATGAGGTGGATCGGGAAGACGAGGAGGAGATTGAGGAGGAAGATGATGAA  
GATGATGAAGATGATGATGATGGTGTGATGTAGAAAGAGGAAGAAGATGATGATGATGAAGAGGAGGAAG  
AAGAGGAAGAGGAAGAAGAAAATGAAGACCATCAAATGAGTTGTACTCGAATAATGCAGGACCCAGAAAA  
GGATGATAACAACAATGACGAGTATGATAACTATGATGAAGTGGTAGCTAAGTCACTATTAATCTTGGC  
AAAATTGCTGAGGACGCAGCATAACGGGCCAGGACTGAGTCAGAAGTGAACAGCAATACCTCAAATAGTC  
TGGAGGATCATAGTAGCAAAAACGAAAACCTCGGTGCGAAAAGCGAACTGAGTCTAGACTAGACAGTGA  
TGTTGTTTCGAGAAACAGTGGACTCCCTTAAGCTGTTAGCAAGGACATGGTGTGCTATCAGAGAAC  
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ACAGGAGTACTCGGATATGATGAACCTTATGCGGCTGGAGGAGCAGCTAAGCCCCAGGTCTAGAACGTT  
CTCCAGCTGTGCAAGGAGGATGGGTGTCATGAGAGGGATGATGACACCACACAGTGAAGTCTCAGACAGG  
TCTGAGGAAGTATTTGACATGACCAAGGGCAACCTGACTCTGCTAGAGAAAGCCATTGCCTTGGAGACAG  
AGAGAGCCAAGGCCATGCGAGAGAAGATGGCCATGGATGCTGGGAGAAGGGATAACCTGAGATCCTATGA  
GGACCAGTCTCCAAGACAGCTGGCTGGGGAAGACAGAAAATCAAATCCAGTGACAGCCATGTCAAAAAG  
CCATACTATGATCCCTCAAGAACAGAAAAGAGAGAGAGCAAGTGTCCAACCCCGGGTGTGATGGAACCG



GCCACGTAATGGGCTTTACCCGCATCACCGCAGTCTGTCTGGATGCCCGCACAAAGATAGGGTCCCTCC  
 AGAAATCTTGCCATGCATGAAAATGTTCTCAAGTGTCCCACTCCAGGCTGCACAGGGCGAGGGCATGTG  
 AATAGCAACAGGAACTCGCACAGAAGCCTCTCTGGATGCCCTATTGCTGCTGCAGAAAACTGGCAAAGG  
 CCCAGGAGAAACATCAGAGCTGTGATGTGTCCAAATCAAACAGGCCTCAGACCGAGTCTCAGGCCAAT  
 GTGCTTTGTCAAACAGCTTGAGATTCTCAGTATGGCTACAGAAACAATGTTCCCAACTACACCGCGC  
 TCCAACCTGGCCAAGGAGCTTGAGAAATATTCCAAGACTTCGTTTGAGTACAACAGTTACGACAACCATA  
 CTTATGGCAAAAAGAGCCATAGCTCCAAGGTGCAAACAGGGACATATCCCCAAAGGATATGCGATGCC  
 AAGCGGTACTGGCAAGAATGCCAGCCCCAGCAGCAGCACCACCAGCAGCTATGCACCCAGCAGCAGCAGC  
 AACCTCAGCTGTGGTGGTGGCAGCAGTGCAGTAGCACGTGTAGCAAGAGCAGCTTTGACTACACACATG  
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 GAACCTGTCCACCAAGCCACAGGACCTGTGCATGCCCGAAACCCAGACATGGAGGTGGATGAGAATGGC  
 ACCCTGGACCTGAGCATGAACAAGCAGAGGCCTCGAGACAGCTGTGCCAGTCTGACACCCCTGGAGC  
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 GGACAAAAGCATTGCAAGTATGCTGGCCACCAGTTCCTCAAGAGCTCAAGTGCACCCACCCCTGGCTGTGAC  
 GGTCTGGACACATCACTGGCAATTACGCTTCTCATCGAAGCCTTCCGGGTGCCAAGAGCAAAGAAGA  
 GTGGTATCCGGATAGCACAAAGCAAAGAAGACAAGGAAGACCAGGAGCCAATCAGGTGTCCGGTACTCGG  
 CTGTGATGGTCAGGGACATCACTGGGAAGTACGCATCCCACCCAGCAGCCTCTGGGTGCCCTTGGCA  
 GCCAAGAGGCAGAAAGATGGGTACCTAATGGCTCCCAGTCTCCTGGAAGTCAGTCAAGACAGAGGGCA  
 TGTCTGCCCTACACCCGGGTGTGATGGTTCAGGACACGTGAGTGGCAGCTTCTCACACCCGCAGCTT  
 GTCAGGATGTCCAAGAGCCACATCAGCAATGAAGAAAGCAAAGCTGTCTGGAGAACAGATGTTGACTATC  
 AAGCAGCGAGCCAGCAACGGTATAGAAAACGATGAGGAGATCAAGCAGTTGGATGAAGAGATCAAGGAGC  
 TCAATGAGTCCAATTCCAGATGGAGGCCGACATGATCAAACCTCAGAACTCAGGTAACAATCACCAAT  
 GGAGAGCAACCTGAAGACGATTGAGGAGGAGAACAAGTCATTGAGCAGCAGAATGAGTCGCTCCTGCAC  
 GAGTTGGCCAACCTGAGCCAGTCCCTGATCCACAGCCTCGCCAACATCCAGCTGCCTCACATGGATCCAA  
 TCAATGAACAAAATTTTGTGCTTACGTGACTACTTTGACGAAATGTATACAAATCAAGATCGTTATCA  
 GAGTCCAGAAAATAAAGCCCTACTGGAAAATAAAGCAGGCTGTGAGAGGAATTCAGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_053888

**Insert Size:**

3564 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:**

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\\_053888.1](#), [NP\\_446340.1](#)

**RefSeq Size:** 4491 bp

**RefSeq ORF:** 3564 bp

**Locus ID:** 116668

**UniProt ID:** [P70475](#)

**Cytogenetics:** 6q16

**Gene Summary:** binds specifically to retinoic acid response elements and acts as a transcriptional activator; may regulate gene expression in the nervous system and pituitary [RGD, Feb 2006]