

Product datasheet for **MC202806**

Myt1 (NM_008665) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Myt1 (NM_008665) Mouse Untagged Clone
Tag: Tag Free
Symbol: Myt1
Synonyms: Nzf; NZF-; Nzf2; Nzf2a; Nzf2b; Nztf; Nztf2
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC063252 sequence for NM_008665
 CTTTTCCAGCATGAAGTGAAGTCCAGGCTCCAGAGAAGAGGTTCCATCCTTCCAGGATGACG
 CTCTGCGGGAGCTTCTCGAAAATGAGTTCGGGGCAAACCTTCTGACCCAGAGGTGGACACAGGAAGACA
 AGACTAGTAGCTGCAGAACTGAGAGACATTTCTGTGTAGATACAACAAGATGAGCTCAGAAAGTATGA
 CAAGCGAGCCCGCACACGGTCCAAGACCTCCGAGGACCCAGAGACCAGGTCAGACCTCAGTTGT
 CCTACCCAGGATGACTGGTTCAGGACATGTGCGGGCAAGTACTCCAGACATCGAAGCTTACAGAGTT
 GCCCTCTGGCCAAGAAGAGAAAAGTGGAGGATGCTGAGACTGAGCACCTGGTATCCAAGAGGAAGTCACA
 CCCTCTGAGGCTGGCTCTGGATGAGGGTACCAGCATGGACAGTATGGCAGTGGAGGATGCTGAAGTGAAG
 GACGTCTCTGTTTCAGATGAATCAGAAGGACCCCTGGAGGAGGCTGAGGCTGAGATGTCAGGACAGGAGG
 AGATTCATCACCCACAGACAGCTGAAGGAAAAAGCCTCATCAAGCCCCATTTGACTCCAACCCACAAG
 CAGCCCTTCTGGCTTCTCCAAGAGCAGCTACAGTAGCTACCAGGGGATCATTGCAACTTCCCTCCTAAAT
 CTGGGCCAAATTGCTGAAGAGGCCCTTGTGAAGGAGGATTCGGTCTCAGTAGCTAAGTTGAGCCCCACTG
 TTGTTTCATCAGCTCAGGATGAGGCTGCAATGGGGTCAACAGTGACGAGGGTGAAGGACCTCTTTAT
 ACAGCCAGAAGATGTGGAGGAGGTCATTGAAGTCAAGTGAACGTTCCAGGAGCCATGCCCCAGTCT
 CTGAAGGATATGGTTAGTGAAGAGTCAAGTAAGCAGAAAGGAGTCTAGGTCATGAGGAGGAGGGAGAGG
 AGGAGGAAGAAGATGAAGAAGAAGAGGATGAGGAGGAGGAGGAGGAGGAGGAAGGAGAAGAAGAAGA
 GGAGGAGGAGGAGGAAGAAGAGGAGGAGGAAGATGAAGAGGAAGAGGAGGAGGAGGAAGCAGCTCCA
 AATGTTATCTTTGGGAAGACACCTCCCATACCTCTGTCCAGAAGGCGTCTCCTGAGTCCGAGGCCCAG
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 TTCACGCTCCAGAAAGTCAAGTACAGTCAAGTCAAGAAATGTATGACATGATGACCCGTGGGAATTTA
 GGCTTCTGGAACAGGCCATTGCCCTGAAGGCTGAGCAGGTGCGAGCGGTCTGTGAGTCTGGCTGTCCAC
 CTGCTGAGCAGGGCCATCTGGGCCAGGAGAGCCAGGAAAAATGGCAAAGCCCTGGACGTGGTGGAGAA
 GAGCTGTACAGCAAAGATCCTTCCAGGTTGGAGAAGCGTGAAATCAAGTGTCCGACACCTGGCTGTGAT
 GGCCTGGCCATGTTACTGGATTGTACCCTCATCACCGCAGCCTGTCTGGCTGTCCCCACAAGGATAGAA
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 CCATGTGAACAGCAACCGCAATACTCACAGAAGTTTATCTGGATGTCCCATTGCTGCTGCTGAAAAATTA
 GCCAAATCTCATGAGAAGCAGCAATTGCAGACAGGAGATCCTCCAAAAATAACTCCAATTCAGATCGGA



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TCCTCAGGCCCATGTGTTTTGTGAAGCAGCTTGAGGTTCCACCTTATGGGAGCTACAGACCCAATGTGGC
TCCCGCCACGCCAGGGCCAACCTTGGCCAAGGAGCTGGAGAAGTTCTCCAAAGTCACCTTTGACTACGCA
AGTTTTGATGCTCAGGTTTTGGCAAACGTATGCTTGCCCAAAGATTACAGACCAGCGAAACCTCACCCA
AAGCCTTCCAATGCTTCGATTACTCTCATGATGCTGAGGCTGCACACATGGCTGCCACAGCCATCCTGAA
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GACCGTCTCTAGACTACACCAAACCTAGTCGGCTTCGAGAGGAAGAGCCTGAGGAGTCAGAGCCAGCAG
CACACTCTTTGCTTCTTCTGAAGCAGATGATCAGGAGGTGTGAGAAGAGAACTTTGAGGAGCGGAAGTA
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CTGTTGCCCTCTGTGACAAGAGCCTCAGAAACCTCATGGCTGCCACTCTGTGACCTCAAGTGCC
CACACCTGGCTGTGATGGCTCTGGCCACATAACAGGGAACATGCTTACACCGGAGTTTGTGAGGCTGC
CCAGTGCCAAGAAGAGTGGACTCAAGGTGGCGCTACCAAGGATGACAAGGAGGACCCCGAGTTGATGA
AGTGCCCAAGTCCAGGCTGTGTGGGGCTCGGCCACATCAGCGGCAAAATATGCCTCTCACAGGAGTGCTTC
TGCTGCCACTGGCTGTGCGGAGGCAGAAAGAGGGAGCTCTCAATGGTTCATCTTTCTCGTGAAGTGC
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TCACCCACCGAAGTTTGTCTGGCTGTCCAGAGCAACCTTTGCTGGAAAGAAAGGAAAACTCAGGGGA
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CAGGAGATACGAGACTTAAATGAGTCCAATTCGGAAATGGAGGCTGCCATGGTGCAGCTGCAGTCTCAGA
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ATTGGAACCAATATGTGAACAGAATTTTGACGCCTATGTGAACACCCTCACTGACATGTACTCCAATCAGG
ACTGCTACCAGAATCCGGAGAACAAGGCTTCTGGAACGATCAAGCAAGCTGTGAGGGCATTACGTT
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ATTGGAAGCCTGGGTGCAGCCTTGTGCAGCTTACCCAAAGGGGAGCCTGGGAATCAGTGTCTCCTATGAT
GTCCTCATTAGGCCCAGGCATGAAGACCTCTGTGTGAGTGCCTGGGGACACTGAAGTATTGCAAAGTG
ACTTATTTTTGTCTTTGTTCTTTGTTTTTTTTTAAAAGAAGTCTGAAGAGCAGCTCAAAGTCTCC
GGTGAAGCTCATGGACAAGTTCTCACTCAGGGAAGTTTTGGAGTTTGCAGCCACAGTATTCATTGTT
TGTCAGGTTGGGAGGGCAGCCATGGCCCTGCTGGGTGTTAGTCTCAGCAGGAGGCATGCCTAGGTTTC
TGAATATGCTCACTGAAGCCACATGACAAGTATGTTTTGTGTTTTCAATTAATTCAACTTTGTGTTAAA
GGTGACAAATACTCTGCTTCAGAGGTGAATCTAGGAACAGGCTTCCCAGATGGCAGTCTACACAGTTGAT
GAGCATCATAGAAAGTCAAGTGGAGGTTTTTTTTTGTGTTTTCAGTTGGAGGCCCTGAAAAATCGGCCACTT
ACTTGGGCAGCAGATGCCTTTAAGCTGTGCAGATCTGCTTTCTCCTGGCTCCAGTTTTTAAACCCCTGGCT
TGGGCTCAAGTCCAAGACCACTGGGCCAAACCTCTGGTTCCGTACCTCCATCCAGGTGCTGGACCCAT
CATTGTATCTTTTCTGCATAGGTTTGTCTTGTATCCAAGGTGACTGCAGTGGGGCAGGAGACCAGTG
GTAATTTGTTACAGGGAGACCACCAAGATTTCACTTCTTATAGGTTCAATTAAGATGTGAAAAGGATAA
AATTTCAAATTAGTATTTAAAAGTAGAGAAATGCACTTCTGGAAGACACTGAAAGTAGTTAGTTTATT
CTGTAATTTAATTTTGTGATAAGTATTTATATTCTTACCCTCTTATGTTAATGTTTGTATTTATT
ATTTTTATTTATTTTATACTATATCAACTAGATGACACACTAGGGCACCATAAGAGTTAAATAAGT
TAAATTTGAAACAAAAACATTTATTTGACTATAAGATAGGCCACAAAGAATCTTGATATAACTTCTAGTTA
TAATTTTGTGCAACCGAGTTATTTTTATATTTTTGTTATTTATTCTTTAATAATGGAATTTTTTAA
AAAAGTATTTGTAAGTGAAGAATTTTGATAATTTGGGTTTTTCTCCCCATTGGTCCACCAGAGAGAAAAG
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ATTATTATTTAAGTGTAGTGCAGATGTGTGTGCTCTGGTGTCTTGTGTGCTTTGTGGAGTTCTCA
TGGATGATTCATGTTGCTGTGAGGGAGTCTGGCCATGGTCAAGTCTAGGCAATGGACTCGCTGGCCAAG
CTGCCAGGATCTTGATACCCCAATACTGTGACCTCCTTCTCAGGAAACACGTTGGACTCACAGTACC
TCGTGGTGTGTTTGGAGGGTGATTTCTAATAAAAGTCTCACTGTGCAAAAAAAAAAAAAAAAAAAAAA AAAA

Restriction Sites:

Ascl-NotI

ACCN:	NM_008665
Insert Size:	3384 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:	BC063252 , AAH63252
RefSeq Size:	5324 bp
RefSeq ORF:	3384 bp
Locus ID:	17932
UniProt ID:	Q8CFC2
Cytogenetics:	2 103.77 cM
Gene Summary:	<p>This gene is a member of the myelin transcription factor 1 gene family. The encoded protein, a zinc finger DNA-binding protein, is involved in regulation of oligodendrocyte differentiation and proliferation in the developing central nervous system. The gene product has a role in remyelination through regeneration of oligodendrocyte lineage cells in response to demyelination. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2010]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes isoform 1.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>