

## Product datasheet for **MC228106**

### Treh (NM\_001277851) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Treh (NM_001277851) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Treh
Synonyms:	2210412M19Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228106 representing NM\_001277851  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGAGCTCCTGCACCAAGTTCAGATGGCCAGCTCTACCAAGATGACAAGCAGTTTGTGGATATGTC  
 ACTGGCCACATCTCCAGATGAAGTCCTGCAGAAGTTCAGTGAGCTGGCCACAGTCCACAACCACAGCATC  
 CCCAAGGAACAGCTTCAGGAATTTGTCCAGAGTCACTTCCAGCCCGTGGGGCAGGAGCTGCACTCCTGGA  
 CCCCTGAGGACTGGAAGGACAGCCCTCAGTTTCTGCAGAAGATCTCGGATGCTAATCTGCGTGTCTGGC  
 GGAGGAGCTACACAAGATCTGGAAAAAGCTGGGAAAGAAGGGACTCGTACTGGGTGATGGAAGCCTGCT  
 TCTTTCTGAGATGGCCTCAACAGTGAAGGGTATGCTGCAAACTTTCTGGATCTGGTGAAGACCTACGGA  
 CATATCCCAACGGTGGACGCATATATTACCTGCAACGGAGCCAGCCCCACTCTGACTCTCATGATGG  
 ATCGATATGTAGCTCATACCAAGGATGTCGCCTTCCTTCAGGAGAATTTGGGACTCTAGCCTCTGAACT  
 GGACTTCTGGACTGTGAACAGGACTGTCTCTGTAGTCTCAGGAGGACAAAGCTATGTCTTAAATCGCTAC  
 TATGTCCTTATGGGGGACCCAGGCCAGAGTCTACAGGAAAGACGCAGAATTGGCAAACCTCTGTGCCAG  
 AAGGGGACCGAGAGACTCTGTGGGCTGAGCTCAAGGCTGGGGCTGAGTCTGGCTGGGACTTCTCTTCAGC  
 CTGGCTTGTGGAGGCCAGACCCTGATTTGCTCAGCAGCATCCGAACGACAAAATGGTACCCGCTGAT  
 CTGAACGCGTTCTGTGCCAAGCAGAGGAACTGATGAGTAACTTCTACTCCAGACTAGGGAACGACACAG  
 AGGCCACAAAAGTACAGGAACCTGCGGGCCAGCGCTTGGCCGCCATGGAAGCTGTCTGTGGGACGAGCA  
 GAAGGGTGCCTGGTTTGACTATGACTTGGAAAAGGGGAAGAAGAACTGGAGTTTATCCCTCCAACCTC  
 TCCCCACTTTGGGCTGGCTGCTTCTCAGACCCTAGTGTGCTGACAAGGCTCTGAAGTACTTGGAGGACA  
 GCAAGATCTTGACCTACCAATATGGAATCCCAACCTCTCTTCGTAACACAGGCCAGCAGTGGGACTTCCC  
 CAATGCCTGGGCCCCACTGCAGGACCTGGTCATTAGAGGTTTGGCCAAGTCAGCTTCCCCCGGACTCAG  
 GAGGTGGCTTTCCAGCTGGCCAGAATTGGATCAAACCAACTTCAAAGTCTACTCCAAAAGTCAGCGA  
 TGTTTGAGAAGTATGACATCAGCAACGGTGGACATCCAGGTGGAGGAGGGAGTATGAAGTTCAGGAAGG  
 ATTTGGCTGGACAAACGGATTGGCCCTGATGCTTCTGGATCGCTATGGTGACCAGTTGACTTCAGGGACC  
 CAGTTAGCTTCCCTGGGACCCACTGCCTAGTGGCTGCCCTTCTCTCAGTCTTCTGCTACAG**TGA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_001277851

**Insert Size:** 1536 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).

**OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

**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\\_001277851.1](#), [NP\\_001264780.1](#)

**RefSeq Size:** 1952 bp

**RefSeq ORF:** 1536 bp

**Locus ID:** 58866

**Cytogenetics:** 9 A5.2

**Gene Summary:** This gene belongs to the alpha-glucosidase family, whose members encode enzymes that carry out hydrolysis of alpha-glucoside bonds of a variety of carbohydrates. The enzyme encoded by this gene uses the disaccharide trehalose as a highly specific substrate and converts it into two glucose molecules. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2013]  
Transcript Variant: This variant (3) differs in the 5' UTR, initiates translation at an alternate start codon and lacks an internal exon, compared to variant 1. The encoded isoform (3) has a distinct N-terminus and is shorter than isoform 1.