

## Product datasheet for **MC218346**

### Treh (BC019214) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Treh (BC019214) 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:** >BC019214  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACCTGGGAGCTGCACCTGCTTCTGCTGGGGCTGGGACTTAGGTCCCAGGAGGCCCTGCCACCAC  
 CCTGTGAGAGATCTACTGCCATGGAGAGCTCTGCACCAAGTTCAGATGGCCAGCTCTACCAAGATGAC  
 AAGCAGTTTGTGGATATGTCACCTGGCCACATCTCCAGATGAAGTCTGCAGAAGTTCAGTGAAGTGGCCA  
 CAGTCCACAACCACAGCATCCCCAAGGAACAGCTTCAGGAATTTGTCCAGAGTCACTTCCAGCCCCTGGG  
 GCAGGAGCTGCAGTCTGGACCCCTGAGGACTGGAAGGACAGCCCTCAGTTCCTGCAGAAGATCTCGGAT  
 GCTAATCTGCGTGTCTGGGCGGAGGAGCTACACAAGATCTGAAAAAGCTGGAAAGAAGGGACTCGTAC  
 TGGGTGATGGAAGCCTGCTTCTTCTGAGATGGCCTCAACAGTGAAGGGTATGCTGCAGAACTTCTGG  
 ATCTGGTGAAGACCTACGGACATATCCCAATGGTGGACGCATATATTACCTGCAACGGAGCCAGCCCC  
 ACTCCTGACTCTCATGATGGATCGATATGTAGCTCATACCAAGGATGTGCCTTCTTCAGGAGAATATT  
 GGGACTTAGCCTCTGAAGTGGACTTCTGGACTGTGAACAGGACTGTCTCTGTAGTCTCAGGAGGACAAA  
 GCTATGTCTTAAATCGCTACTATGTCCCTATGGGGGACCCAGGCCAGAGTCTACAGGAAAGACGCAGA  
 ATTTGGCAAACCTGTGCCAGAAGGGGACCGAGAGACTCTGTGGGCTGAGCTCAAGGCTGGGGCTGAGTCT  
 GGCTGGGACTTCTTTCACGCTGGCTTGTGGAGGCCAGACCCTGATTTGCTCAGCAGCATCCGAACCA  
 GCAAAATGGTACCCGCTGATCTGAACGCGTTCTGTGCCAAGCAGAGGAACTGATGAGTAACTTCTACTC  
 CAGACTAGGGAACAACACAGAGGCCACAAAGTACAGGAACCTGCGGGCCAGCGCTTGGCCGCCATGGAA  
 AGTGTCTGTGGGACGAGCAGAAGGGTGCCTGGTTCGACTATGACTTGGAAAAGGGGAAGAAGAACCTGG  
 AGTTTTATCCCTCCAACCTCACCCACTTTGGGCTGGCTGCTTCTCAGACCCTAGTGTGCTGACAAGGC  
 TCTGAAGTACTTGGAGGACAGCAAGATCTTGACCTACCAATATGGAATCCCAACCTCTCTTCGTAACACA  
 GGCCAGCAGTGGGACTTCCCAATGCCTGGGCCCACTGCAGGACCTGGTCATTAGAGGTTTGGCCAAGT  
 CAGCTTCCCCCGGACTCAGGAGGTGGCTTCCAGCTGGCCAGAATTGGATCAAAACCAACTTCAAAGT  
 CTACTCCAAAAGTCAGCGATGTTTGAAGATGACATCAGCAACGGTGGACATCCAGGTGGAGGAGGG  
 GAGTATGAAGTTCAGGAAGGATTTGGCTGGACAAACGATTGGCCCTGATGCTTCTGGATCGCTATGGT  
 ACCAGTTGACTTCAGGGACCCAGTTAGCTTCCCTGGGACCCCACTGCCTAGTGGCTGCCCTTCTTCTCAG  
 TCTTCTGCTACAGTGA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATA  
 TCCTGGATTACAAGGATGACGACGATAAGGTTAA

**Restriction Sites:** Sgfl-RsrII

**ACCN:** BC019214

**Insert Size:** 1626 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:** [BC019214](#), [AAH19214](#)

**RefSeq Size:** 1972 bp

**RefSeq ORF:** 1625 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]