

Product datasheet for **MC219187**

Treh (NM_021481) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF:

>MC219187 representing NM_021481

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGACCTGGGAGCTGCACCTGCTGCTTCTGCTGGGGCTGGGACTTAGGTCCCAGGAGGCCCTGCCACCAC
CCTGTGAGAGCCAGATCTACTGCCATGGAGAGCTCCTGCACCAAGTTCAGATGGCCAGCTCTACCAAGA
TGACAAGCAGTTTGTGGATATGTCACTGGCCACATCTCCAGATGAAGTCTGCAGAAGTTCAGTGAGCTG
GCCACAGTCCACAACCACAGCATCCCCAAGGAACAGCTTCAGGAATTTGTCCAGAGTCACTTCCAGCCCCG
TGGGGCAGGAGCTGCAGTCTGGACCCCTGAGGACTGGAAGGACAGCCCTCAGTTCCTGCAGAAGATCTC
GGATGCTAATCTCGGTGTCTGGGCGGAGGAGCTACACAAGATCTGGAAAAAGCTGGGAAAGAGATGAAA
GCAGAAGTCTCAGCTACCCCGAGAGGTCTCCCTAATCTACTCAAAGCACCCCTTCATTGTGCCGGGG
GGCGCTTTGTTGAATTCTACTACTGGGACTCGTACTGGGTGATGGAAGGCCTGCTTCTTTCTGAGATGGC
CTCAACAGTGAAGGTATGCTGCAAACTTTCTGGATCTGGTGAAGACCTACGGACATATCCCCAACGGT
GGACGCATATATTACCTGCAACGGAGCCAGCCCCCACTCCTGACTCTCATGATGGATCGATATGTAGCTC
ATACCAAGGATGTCGCCTTCCTTCAGGAGAATATTGGGACTCTAGCCTCTGAACTGGACTTCTGGACTGT
GAACAGGACTGTCTGTAGTCTCAGGAGGACAAAGCTATGTCTTAAATCGCTACTATGTCCCTTATGGG
GGACCCAGGCCAGAGTCTACAGGAAAGACGCAGAATTGGCAAACTCTGTGCCAGAAGGGGACCGAGAGA
CTCTGTGGGCTGAGCTCAAGGCTGGGGCTGAGTCTGGCTGGGACTTCTCTTCAGCTGGCTTGTGGAGG
CCCAGACCTGATTTGCTCAGCAGCATCCGAACCAGCAAAATGGTACCCGCTGATCTGAACGCGTTCCTG
TGCCAAGCAGAGGAAGTATGAGTAACCTTCTACTCCAGACTAGGGAACGACACAGAGGCCACAAAGTACA
GGAACCTGCGGGCCAGCGCTTGGCCGCCATGGAAGCTGTCTGTGGGACGAGCAGAAGGGTGCCTGGTT
TGACTATGACTTGAAAAAGGGGAAGAAGAACTGGAGTTTATCCCTCCAACTCTCCCCACTTTGGGCT
GGCTGCTTCTCAGACCTAGTGTGCTGACAAGGCTCTGAAGTACTTGGAGGACAGCAAGATCTTGACCT
ACCAATATGGAATCCCAACCTCTCTTCGTAAACAGGCCAGCAGTGGGACTTCCCCAATGCCTGGGCCCC
ACTGCAGGACCTGGTCATTAGAGGTTTGGCCAAGTCACTTCCCCCGGACTCAGGAGGTGGCTTCCAG
CTGGCCCCAGAATTGGATCAAAACCACTTCAAAGTCTACTCCCAAAAGTCAGCGATGTTTGAGAAGTATG
ACATCAGAACGGTGGACATCCAGGTGGAGGAGGGAGTATGAAGTTCAGGAAGGATTTGGCTGGACAAA
CGGATTGGCCCTGATGCTTCTGGATCGCTATGGTGACCAAGTGAAGTTCAGGGACCCAGTTAGCTTCCCTG
GGACCCCACTGCCTAGTGGCTGCCCTTCTCTCAGTCTTCTGCTACAGTGA

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-RsrII

ACCN:

NM_021481

Insert Size:

1731 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_021481.3</u> , <u>NP_067456.1</u>
RefSeq Size:	2053 bp
RefSeq ORF:	1731 bp
Locus ID:	58866
UniProt ID:	<u>Q9JLT2</u>
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 (1) represents the longest transcript and encodes the longest isoform (1).