

Product datasheet for MG200486

Pth (NM_020623) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Pth (NM_020623) Mouse Tagged ORF Clone

Tag: TurboGFP

Symbol: Pth

Synonyms: Pthp

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >MG200486 representing NM_020623

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200486 representing NM_020623

Red=Cloning site Green=Tags(s)

MMSANTVAKVMIIMLAVCLLTQTDGKPVRKRAVSEIQLMHNLGKHLASMERMQWLRRKLQDMHNFVSLGV

QMAARDGSHQKPTKKEENVLVDGNPKSLGEGDKADVDVLVKSKSQ

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1982 e12.zip

Restriction Sites: Sgfl-Mlul



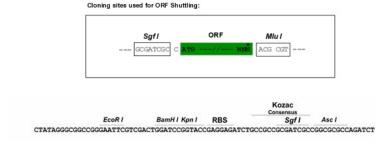
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Cloning Scheme:



Fse I GAA GAA AGA GTT TAA ACGGCCGGCCGCGGAGCT

Mlu I CAAGCTTAACTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC

Nhe I Rsr II

Hind III

ACCN: NM_020623

ORF Size: 345 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts

of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by

calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

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:

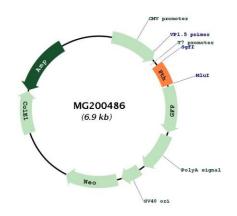
- 1. Centrifuge at 5,000xg for 5min.
- 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
- 3. Close the tube and incubate for 10 minutes at room temperature.
- 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
- 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: <u>NM 020623.2</u>, <u>NP 065648.1</u>

RefSeq Size: 717 bp
RefSeq ORF: 348 bp
Locus ID: 19226

Cytogenetics: 7 59.19 cM

Product images:



Circular map for MG200486