

Product datasheet for **MG201643**

Ptrh2 (NM_175004) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ptrh2 (NM_175004) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ptrh2
Synonyms: A230072I16Rik; Bit1; CGI-147
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201643 representing NM_175004
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTCTCCAAGTTCTTGACTATGGAGTATTTGGTTCATCCTGGTACACTCAGCTTGGCTGCTGGAGTTG
 CTTGTGGCATGTGCCTGGGCTGGGGCTCCGGAGCCACCTTGGTATGTTCCCCAGAACTCAACAAGTGA
 GGCAAATAGAGACACAGAGACTGGAAGCAAGCAAGCATCTTGGGAGAGAGTGGGAATACAAAATGATT
 CTTGTGGTTCGAACTGACCTTAAATGGGAAAGGAAGGTTGCTGCCAGTGTCTCATGCTGCCGTGT
 CTGCCTACAAGCAGACTCAAAGGAGAAGCCCTCAAGTGCTCAAAGAGTGGGAGTACTGTGCCAGCCCAA
 AGTGGTGGTCAAAGCTCCAGATGAAGACACCCTCATTCAATTACTCACCCATGCAAAAACCTTGGGACTG
 ACTGTAAGTTTAAATCCAAGATGCTGGACGTAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT
 GGCCAGGACCACTAGAACTAATTGATGAAGTACTGGCCACCTAAAACCTTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201643 representing NM_175004
 Red=Cloning site Green=Tags(s)

MLSKFLTMEYLVHPGTLSLAAGVACGMCLGWLRSHLGMFPQNSTSEANRDTETGTEASILGESGEYKMI
 LVVRTDLKMGKGVAAQCSHAAVSAYKQTQRRSPQVLKEWEYCGQPKVVVKAPDEDTLIQLLTHAKTLGL
 TVSLIQDAGRTQIEPGSRTVLGIGPVELIDEVTGHLKLY

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

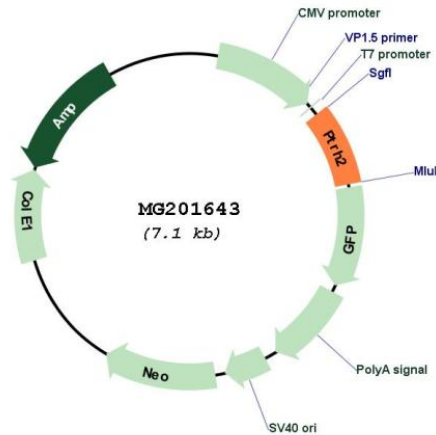


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Cloning Scheme:



Plasmid Map:



ACCN: NM_175004

ORF Size: 546 bp

OTI Disclaimer: 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:	<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:	<u>NM_175004.2</u> , <u>NP_778169.1</u>
RefSeq Size:	2999 bp
RefSeq ORF:	549 bp
Locus ID:	217057
UniProt ID:	<u>Q8R2Y8</u>
Cytogenetics:	11 C
Gene Summary:	The natural substrate for this enzyme may be peptidyl-tRNAs which drop off the ribosome during protein synthesis.[UniProtKB/Swiss-Prot Function]