

## **Product datasheet for MR222699**

## Ptrh2 (NM\_001098810) Mouse Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: Ptrh2 (NM\_001098810) Mouse Tagged ORF Clone

Tag: Myc-DDK

Symbol: Ptrh2

**Synonyms:** A230072I16Rik; Bit1; CGI-147

Mammalian Cell

Selection:

Neomycin

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >MR222699 representing NM\_001098810 Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

 ${\color{red} \textbf{ACGCGT}} \textbf{ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT}$ 

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR222699 representing NM\_001098810

Red=Cloning site Green=Tags(s)

MLSKFLTMEYLVHPGTLSLAAGVACGMCLGWGLRSHLGMFPQNSTSEANRDTETGTEASILGESGEYKMI LVVRTDLKMGKGKVAAQCSHAAVSAYKQTQRRSPQVLKEWEYCGQPKVVVKAPDEDTLIQLLTHAKTLGL

TVSLIQDAGRTQIEPGSRTVLGIGPGPVELIDEVTGHLKLY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: <a href="https://cdn.origene.com/chromatograms/ja2683">https://cdn.origene.com/chromatograms/ja2683</a> f02.zip



**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



**Restriction Sites:** 

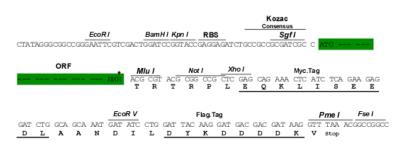
Sgfl-Mlul

**Cloning Scheme:** 

Cloning sites used for ORF Shuttling:

Sgf I ORF Miu I

--- GCGATCGC C ATG ---//--- NNN ACG CGT ---



<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NM\_001098810

ORF Size: 546 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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> 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. <u>More info</u>

**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 001098810.3</u>

RefSeq Size: 2942 bp

RefSeq ORF: 546 bp

Locus ID: 217057

UniProt ID: Q8R2Y8

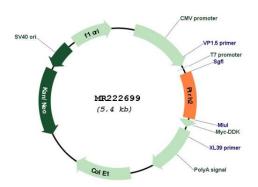
Cytogenetics: 11 C

**MW:** 19.5 kDa

**Gene Summary:** The natural substrate for this enzyme may be peptidyl-tRNAs which drop off the ribosome

during protein synthesis.[UniProtKB/Swiss-Prot Function]

## **Product images:**



Circular map for MR222699