

Product datasheet for MR202302

Ppic (NM_008908) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppic (NM_008908) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ppic
Synonyms:	CyP-20c
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202302 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCCCGGGTCCCGTCTGCTGCTGCCCGGGTCTGCCTGGGGCTTGGAGCCCTGGTGTCTTCTT
CGGGTCTCAGGCGTCCGAAAACGAGGTCCCTCGGTGACGGACAAGGTCTTCTTTGATGTGAGGATCGG
AGACAAAGATGTGGGTAGAATTGTGATTGGCTCTTTGAAACGTTGTACCCAAGACGGTGGAAAACCTC
GTGGCTCTGGCAACAGGAGAGAAAAGCTACGGGTACAAGGGCAGCATCTCCACCGTGCATCAAGGACT
TCATGATTCAAGGAGGGACTTCACAGCTAGAGATGGCACTGGAGGGATGAGCATCTATGGTGAGACATT
TCCGGATGAGAACTTCAAACGAAGCACTATGGCATTGGCTGGGTGAGCATGGCCAATGCTGGACCAGAC
ACCAACGGATCCCAGTTCTTCATCACCTTGACCAAGCCCACCTGGTTGGATGGCAAAACACGTTGATTTG
GAAAAGTCTAGATGGGATGACTGTGGTACATTCCATTGAACTTCAAGCAACAGATGGCCATGACCGCCC
ACTCACCAGCTGCACCATCGTCAACAGTGGCAAGATAGATGTGAAAACACCCTTTGTGGTTGAGTCCCT
GATTGG

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202302 protein sequence
Red=Cloning site Green=Tags(s)

MSPGPRLLLPAVLCLGLGALVSSSGSSGVRKRGPSVTDKVFVFDVIRIGDKDVGRIVIGLFGNVVPKTVENF
 VALATGEKGYGYKGSIFHRVIKDFMIQGGDFTARDGTGGMSIYGETFPDENFKLKHYGIGWVSMANAGPD
 TNGSQFFITLTKPTWLDGKHVVFVKVLDGMTVVHSIELQATDGHDRPLDCTIVNSGKIDVKTPFVVEVP
 DW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_008908

ORF Size: 639 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:

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: [NM_008908.4](#)

RefSeq Size: 1286 bp

RefSeq ORF: 639 bp

Locus ID: 19038

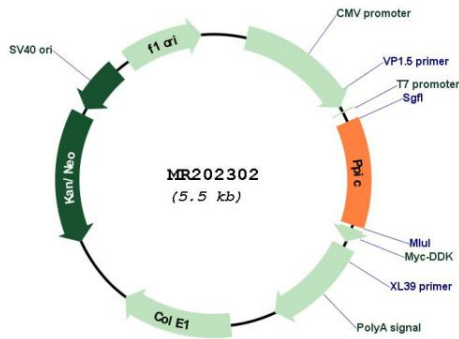
UniProt ID: [P30412](#)

Cytogenetics: 18 D1

MW: 22.8 kDa

Gene Summary: PPlase that catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and may therefore assist protein folding.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202302