

Product datasheet for **MG205715**

Ppid (NM_026352) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppid (NM_026352) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ppid
Synonyms:	4930564J03Rik; CYP-40; Ppidl; Ppif
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205715 representing NM_026352 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCCACGCATCCCCGGCAGCCAAGCCCTCCAACCTCCAAGAACCCGCGAGTCTTCTTTGACGTGGACA
TCGGCGGGGAGCGAGTTGGCCGAATTGTTTTAGAATTGTTGCAGATATTGTTCCAAAACCTGCAGAAAA
TTTTCTGTCGTTGTGTACAGGAGAAAAAGGAAGTGGTCCACGACCGGGAAGCCTCTCCATTTAAAGGA
TGCCCTTCCACCGAATTATTAAGAAATTTATGATTCAGGGTGGAGACTTCTCAAATCAGAATGGGACAG
GTGGCGAAAGTATTTATGGTGAAAAATTTGAAGATGAAAAATTTTCATTATAAGCATGATCGGGAGGTTT
GCTGAGCATGGCAAATGCAGGCCCAATACGAATGGCTCTCAGTCTTTATCACAAACAGTCCGACTCCT
CATCTGGACGGGAAACATGTGGTATTTGGTCAGGTCATAAAAAGGACTAGGTGTGGCAAGGACGCTTGAAA
ATGTAGAGGTGAATGGTAAAAACCTGCCAAACTCTGTGTTATTGCAGAAATGTGGAGAATTGAAAGAAGG
GGATGACTGGGAATCTCCCAAAGATGGCTCTGGTGACAGTCATCCAGACTTCCCTGAGGATGCAGAT
ATAGATTTAAAGATGTAGATAAAATTTATTAATATCTGAAGACTTAAAAACATTGGAATACTTTTT
TCAAGTCTCAGAACTGGGAGATGGCTATTAATAAATGCGAAGGTTTTAAGGTATGTGGATAGTTCAA
GGCTGTTATTGAGAAAGCAGATAGATCCAGACTGCAACCTATAGCCTTAAGTTGTGTGCTGAATATTGGT
GCTTGAAGCTGAAGATGTCAAATGGCAGGGGCAATTGACAGTTGCTTAGAGGCTCTTGAATGGACC
CTTCAAATACTAAAGCACTATACCGAAAAGCGCAAGGATGGCAAGGATTGAAAGAATATGATCAAGCATT
GGCTGATCTTAAGAAGGCACAGGAGATAGCCCCAGGAGATAAAGCTATCCAGGCAGAATTGCTTAAAGTC
AAACAAATGATAAAGGCACAGAAAGATAAAGAGAAGGCCGTGTATGCAAAAATGTTTGCT

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205715 representing NM_026352
Red=Cloning site Green=Tags(s)

MSHASPAAKPSNSKNPRVFFDVIDIGGERVGRIVLELFADIVPKTAENFRALCTGEKGTGSTTGKPLHFKG
 CPFHRIIKKFMIQGGDFSNQNGTGGESIYGEKFEDENFHYKHDREGLLSMANAGPNTNGSQFFITTVPTP
 HLDGKHVVFGQVIKGLGVARTLENVEVNGEKPAKLCVIAECGELKEGDDWGFIPKDGSGDSHPDFPEDAD
 IDLKDVDKILLISEDLNIGNTFFKSQNWEMAIKKYAKVLRVYDSSKAVIEKADRSRLQPIALSCVLNIG
 ACKLKMSNWQGAIDSCLEALEMDPSNTKALYRKAQGWQLKEYDQALADLKKAQEIAPGDKAIQAELLKY
 KQMIKAQKDKKAVYAKMFA

TRTRPLE - GFP Tag - V

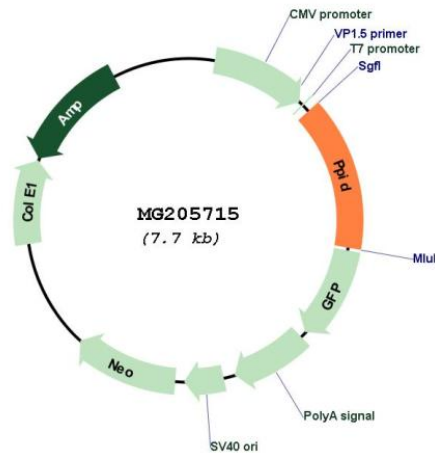
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_026352

ORF Size:	1110 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:	NM_026352.4
RefSeq Size:	1728 bp
RefSeq ORF:	1113 bp
Locus ID:	67738
UniProt ID:	Q9CR16
Cytogenetics:	3 E3
Gene Summary:	PPIase that catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and may therefore assist protein folding. Proposed to act as a co-chaperone in HSP90 complexes such as in unligated steroid receptors heterocomplexes. Different co-chaperones seem to compete for association with HSP90 thus establishing distinct HSP90-co-chaperone-receptor complexes with the potential to exert tissue-specific receptor activity control. May have a preference for estrogen receptor complexes and is not found in glucocorticoid receptor complexes. May be involved in cytoplasmic dynein-dependent movement of the receptor from the cytoplasm to the nucleus. May regulate MYB by inhibiting its DNA-binding activity. Involved in regulation of AHR signaling by promoting the formation of the AHR:ARNT dimer; the function is independent of HSP90 but requires the chaperone activity region. Involved in regulation of UV radiation-induced apoptosis.[UniProtKB/Swiss-Prot Function]