

Product datasheet for RR214228

Ppid (NM_001004279) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppid (NM_001004279) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ppid
Synonyms:	Cyp-40; CypD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR214228 representing NM_001004279 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCCACCCATCCCCAGCAGGCAAGCCCTCCAATTCCAAGAACCCGCGAGTCTTCTTTGACGTGGACA
TCGGCGGGGAGCGAGTTGGACGAATTGTTTTAGAATTGTTGCAGATATTGTTCTAAAACCTGCAGAAAA
TTTTCTGTCATTGTGTACAGGAGAAAAGGGCACTGGACCGACAACCTGGGAAACCTCTGCATTTAAAGGA
TGCCCTTCCACCGAATTATTAAGAAATTTATGATTCAGGGTGGAGACTTCTCAAATCAGAATGGGACAG
GTGGAGAAAGTATTTATGGTGAAAAATTTGAAGATGAGAAATTTTCATTATAAGCATGATCGGGAGGTTT
GCTGAGCATGGCAAATGCAGGCCCAATACAAATGGTTCTCAGTCTTTATCACAAACAGTTCCAACCTCT
CATTTGGATGGGAAACATGTGGTATTTGGTCAAGTAATAAAAGGACTAGGTGTGGCAAGGATGCTTGAAA
ATGTAGAAGTGAATGGTAAAAACCTGCCAAACTCTGTGTTATTGCAGAAATGTGGAGAAATGAAGGAAGG
GGATGAATGGGGAATATCCCAAAGATGGCTCTGGGATAGTCATCCAGATTTCCCTGAGGATGCAGAC
ATAGACTTAAAGGATGTAGATAAAATTTTAAATATCTGAAGACTTAAAAACATTGGAATACTTTTT
TCAAGTCTAAAACCTGGGAGATGGCTATTAATAAATGCAAAGGTTTTAAGGTAAGTGGTGAATATTGGT
GGCTGTTATTGAGAAAGCAGATGTATCCAGACTGCAACCCATAGCCTTAAGTTGTGTGCTGAATATTGGT
GCTTGTAAATTGAAGATGTCAAATTTGGCAGGGGCAATTGACAGTTGCTTGGAGGCTCTTGAATGGACC
CTTCAAACACTAAAGCACTATACCGAAAAGCACAAAGGATGGCAAGGATTGAAAGAATATGATCAAGCATT
GGCTGATCTTAAGAAGGCGCAGGAGATAGCCCCAGGAGATAAAGCTATCCAGGCAGAATTGCTTAAAGTC
AAACAAATGATAAAGGCACAGAAAGATAAAGAGAAGGCAGTGTATGCAAAAATGTTTGCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR214228 representing NM_001004279
Red=Cloning site Green=Tags(s)

MSHPSPAGKPSNSKNPRVFFDVIDGGERVGRIVLELFADIVPKTAENFRALCTGEKGTGPTTGKPLHFKG
 CPFHRIIKKFMIQGGDFSNQNGTGGESIYGEKFEDENFHYKHDREGLLSMANAGPNTNGSQFFITTVPTP
 HLDGKHVVFGQVIKGLGVARMLNENVEVNGEKPAKLCVIAECGELKEGDEWGIFFPKDGS GDSHPDFPEDAD
 IDLKDVDKILLISED LKNIGNTFFKSQNWEMA IKKYAKVLR YLDSSKAVIEKADVSR LQPIALSCVLNIG
 ACKLKMSNWQGAIDSCLEALEMDPSNTKALYRKAQGWQGLKEYDQALADLKKAEIAPGDKAIQAELLKV
 KQMIKAQKDKKAVYAKMFA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001004279

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:

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_001004279.1](#), [NP_001004279.1](#)

RefSeq Size: 1353 bp

RefSeq ORF: 1113 bp

Locus ID: 361967

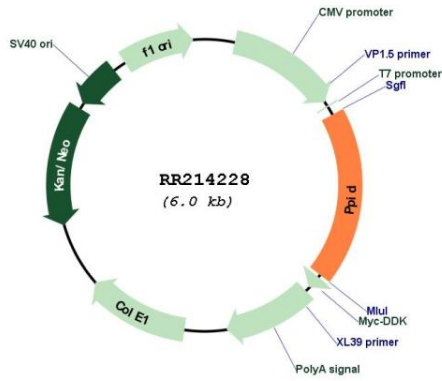
UniProt ID: [Q6DGG0](#)

Cytogenetics: 2q33

MW: 40.8 kDa

Gene Summary: PPlase 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]

Product images:



Circular map for RR214228