

Product datasheet for **RN214228**

Ppid (NM_001004279) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ppid (NM_001004279) Rat Untagged Clone
Tag: Tag Free
Symbol: Ppid
Synonyms: Cyp-40; CypD
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN214228 representing NM_001004279
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCACCCATCCCCAGCAGGCAAGCCCTCCAATCCAAGAACC CGCAGTCTTCTTTGACGTGGACA
TCGGCGGGAGCGAGTTGGACGAATTGTTTAGAATTGTTGCAGATATTGTTCTAAAACCTGCAGAAAA
TTTTCGTGCATTGTACAGGAGAAAAGGGCACTGGACCGACAACCTGGGAAACCTCTGCATTTAAAGGA
TGCCCTTTCCACCGAATTATTAAGAAATTTATGATTCAGGGTGGAGACTTCTCAAATCAGAAATGGGACAG
GTGGAGAAAGTATTTATGGTAAAAATTTGAAGATGAGAATTTTCATTATAAGCATGATCGGGAGGGTTT
GCTGAGCATGGCAAATGCAGGCCCAATACAAATGGTTCTCAGTCTTTATCACAAACAGTCCAACCTCT
CATTTGGATGGGAAACATGTGGTATTTGGTCAAGTAATAAAAGGACTAGGTGTGGCAAGGATGCTTGAAA
ATGTAGAAGTGAATGGTAAAAACCTGCCAACTCTGTGTTATTGCAGAAATGTGGAGAATTGAAGGAAGG
GGATGAATGGGGAATATCCCAAAGATGGCTCTGGGGATAGTCATCCAGATTTCCCTGAGGATGCAGAC
ATAGACTTAAAGGATGTAGATAAAATTTTAAATATCTGAAGACTTAAAAACATTGAAATACTTTTT
TCAAGTCTAAAACCTGGGAGATGGCTATTAATAATATGCAAAGTTTTAAGTACTTGGATAGTTCAA
GGCTGTTATTGAGAAAGCAGATGTATCCAGACTGCAACCCATAGCCTTAAGTTGTGTGCTGAATATTGGT
GCTTGTAAATTGAAGATGTCAAATGGCAGGGGCAATTGACAGTTGCTTGGAGGCTCTTGAAATGGACC
CTTCAAACACTAAAGCACTATACCGAAAAGCACAAGGATGGCAAGGATTGAAAGAATATGATCAAGCATT
GGCTGATCTTAAGAAGGCGCAGGAGATAGCCCCAGGAGATAAAGCTATCCAGGCAGAATTGCTTAAAGTC
AAACAAATGATAAAGGCACAGAAAGATAAAGAGAAGGCAGTGTATGCAAAAATGTTTGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001004279



Insert Size:	1113 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_001004279.1</u> , <u>NP_001004279.1</u>
RefSeq Size:	1353 bp
RefSeq ORF:	1113 bp
Locus ID:	361967
UniProt ID:	<u>Q6DGG0</u>
Cytogenetics:	2q33
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]