

Product datasheet for **RR211848**

Pnp0 (NM_022601) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pnp0 (NM_022601) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pnp0
Synonyms: MGC93433
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211848 representing NM_022601
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACCTCGGGGCTGCTGAGCGTCACTGTGACGTTCCAGGAGACCTGCGAAGTGGCCCGGCTACTTCCGTC
ACCTGTGCTGTCGGGGTGTGTCATGGACCTGGGACCGATGCGCAAGAGTTACCGCGGGACCGAGAGGC
ATTTGAGGAGGCTCATCTGACCTCTCTGGATCCCATGAAGCAGTTTGCTTCTGGTTCGAGGAGGCTGTT
CAATGTCCAGATATAGGAGAAGCCAATGCTATGTGTCTGGCTACCTGCACAGAGACGGAAAACCTCTG
CCCGCATGCTGCTGCTGAAGGGCTTTGGCAAGGATGGCTTCCGCTTCTCACTAACTACGAGAGTCGGAA
GGGAAAAGAGCTGGACTCTAACCCTTTGCCTCTCTTGTCTTCTATTGGGAGCCCCTGAACCGTCAGGTG
CGTGTGGAAGGCCAGTGAAGAACTGCCGGAAGGAGGCTGAGAACTACTTCCATTCCCGGCCAAGA
GCAGCCAGATTGGGGCTGTGGTCAGTCGCCAGAGTTCTGTGATCCCCGATCGGGAGTACCTGAGAAAAGAA
AAATGAGGAACGGGGCAGCTCTACCGGAACAAGAGGTGCCAAGCCAGAGTACTGGGGTGGCTACATC
CTATATCCCCAAGTGATGGAGTTCTGGCAAGGCCAAACCAACCGCCTGCATGACCGTATTGTCTTCCGTC
GAGGCCCTGGCAACAGGAGACTCCCCTCTGGGACCCATGACCCACCACGGGGAGGAAGACTGGGTGTATGA
GAGACTTGACCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_022601.2 , NP_072123.1
RefSeq Size:	2076 bp
RefSeq ORF:	786 bp
Locus ID:	64533
UniProt ID:	O88794
Cytogenetics:	10q31
MW:	30.2 kDa
Gene Summary:	rate-limiting enzyme in pyridoxal 5-phosphate (PLP) biosynthesis [RGD, Feb 2006]