

Product datasheet for RN211848

Pnpo (NM_022601) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pnpo (NM_022601) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pnpo
Synonyms:	MGC93433
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN211848 representing NM_022601 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACCTCGGGGCTGCTGAGCGTCACTGTGACGTTCCAGGAGACCTGCGAAGTGGCCCGGCTACTTCCGTC
ACCTGTGCTGTCGGGGTGTGTCATGGACCTGGGACCGATGCGCAAGAGTTACCGCGGGGACCGAGAGGC
ATTTGAGGAGGCTCATCTGACCTCTCTGGATCCCATGAAGCAGTTTGCTTCTGTTTCGAGGAGGCTGTT
CAATGTCCAGATATAGGAGAAGCCAATGCTATGTGTCTGGCTACCTGCACAGAGACGGAAAACCCCTCTG
CCCGCATGCTGCTGCTGAAGGGCTTTGGCAAGGATGGCTTCCGCTTCTTCACTAACTACGAGAGTCGGAA
GGGAAAAGAGCTGGACTCTAACCCTTTGCCTCTCTTGTCTTCTATTGGGAGCCCCTGAACCGTCAGGTG
CGTGTGGAAGGCCAGTGAAGAACTGCCGGAGAAGGAGGCTGAGAACTACTTCCATTCCCGGCCAAGA
GCAGCCAGATTGGGGCTGTGGTCAGTCGCCAGAGTTCTGTGATCCCCGATCGGGAGTACCTGAGAAAAGAA
AAATGAGGAAC TGGGCAGCTCTACCGGAACAAGAGGTGCCAAGCCAGAGTACTGGGGTGGCTACATC
CTATATCCCAAGTATGGAGTTCTGGCAAGGCCAAACCAACCGCTGCATGACCGTATTGTCTTCCGTC
GAGGCC TGGCAACAGGAGACTCCCTCTGGGACCCATGACCCACCACGGGGAGGAAGACTGGGTGTATGA
GAGACTTGCACCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_022601
Insert Size:	786 bp



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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:	NM_022601.2 , NP_072123.1
RefSeq Size:	2076 bp
RefSeq ORF:	786 bp
Locus ID:	64533
UniProt ID:	O88794
Cytogenetics:	10q31
Gene Summary:	rate-limiting enzyme in pyridoxal 5-phosphate (PLP) biosynthesis [RGD, Feb 2006]