

Product datasheet for **MR229423**

PPP1r8 (NM_001290725) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ppp1r8 (NM_001290725) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ppp1r8
Synonyms: 6330548N22Rik; AU044684; NIPP1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229423 representing NM_001290725
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGCAGCCGTGAACCTCCGGCTCCAGCCTCCCGCTGTTTCGACTGCCCGACTTGGGCAGGTAACCAC
CACCTGGCTTACATCTGGATGTGGTAAAGGAGACAAGCTAATTGAGAAGCTGATTATTGATGAGAAAAA
GTATTACTTATTTGGGAGGAACCCCGATCTGTGTGACTTCACTATCGACCACCAGTCATGCTCTCGAGTC
CACGCAGCGCTGGTGTACCACAAACACCTGAAGAGAGTTTTCTTGATAGACCTCAACAGCACACATGGCA
CTTTCTTGGGTACATTCGGCTGGAACCTCACAAGCCTCAACAGATTCCCATCGATTCTACGGTCTCATT
TGGCGCGTCCACGAGGGCATACTCTGCGAGAGAAGCCTCAGACATTGCCATCGGCTGTGAAAGGAGAT
GAGAAGATGGGCGGAGAGGATGATGAACTCAAGGGCTTGTGGGACTTCCCGAAGAGGAGACCGAGCTGG
ATAACCTGACAGAGTTCAACACTGCCACAACAAGCGGATTTCAACCTCACTATTGAGGAGGGGAACCT
GGACATCCAGAGACCAAGAGGAAGAGGAAGAACTCAAGGGTACCTTCAGTGAGGATGACGAGATCATC
AACCCAGAGGACGTGGATCCGTCTGTTGGTCCGGTCCGGAACATGGTGCAGACAGCAGTGGTTCCAGTCA
AGAAGCGGATGGAGGGCTCTGGCTCTGCGCCCTGGAGGAGTGGGGAGCAGGCGCATGCAGAACTTTGC
CTTCAGTGGAGGACTATATGGGGGCTGCCCCACACACAGTAAACGGGCTCCAGCCGCATGGCATT
CATGGGACAGCGCTCATTGGTGGCTTGCCCATGCCATACCCGAACCTCGCCCTGATGTGGACTTGACTC
CTGTTGTGCCATCAGCAGTGGCCATAAATCCCACACAAACCCTGCAGTCTATAACCCTGAGGCTGTGAA
TGAACCCAAGAAGAAGAAATACGCGAAGGAGGCTTGGCCGGCAAGAAGCCACACCTTCTTACTGATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229423 representing NM_001290725
 Red=Cloning site Green=Tags(s)

MAAAVNSGSSLPDFDCPTWAGKPPPGLHLDVVKGDKLEIKLIIDEKYYLFG RNPDLCDFTIDHQSCSRV
 HAALVYHKHLKRVFLIDLNSTHGTF LGHIRLEPHKPPQIPIDSTVSFGASTRAYTLREK PQTLPSAVKGD
 EKMGGEDDELKGLLGLPEEETELDNLTEFN TAHNKRISTLTIEEGLNDIQRPKRKRKNSRVTFSEDEII
 NPEDVDP SVGRFRNMVQTAVVPVKRMEGSGSLGLEESGSRMQNF AFSGLLYGGLPPTHSETGSOPHGI
 HGTALIGGLPMPYPNLAPD VDLTPVVP SAVA INPTPNPAVYNPEAVNEPKKKKYAKEAWPGKKPTPSLLI

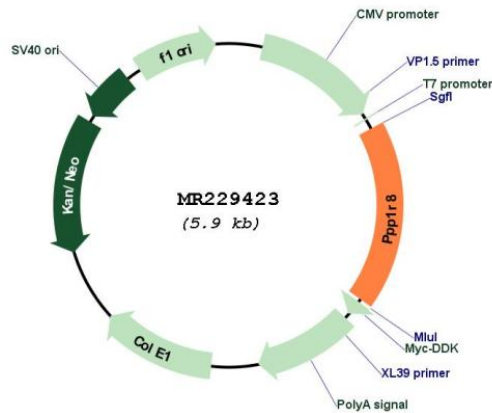
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001290725

ORF Size: 1050 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_001290725.1 , NP_001277654.1
RefSeq Size:	2057 bp
RefSeq ORF:	1053 bp
Locus ID:	100336
UniProt ID:	Q8R3G1
Cytogenetics:	4 D2.3
MW:	38.8 kDa
Gene Summary:	Inhibitor subunit of the major nuclear protein phosphatase-1 (PP-1). It has RNA-binding activity but does not cleave RNA and may target PP-1 to RNA-associated substrates. May also be involved in pre-mRNA splicing. Binds DNA and might act as a transcriptional repressor. Essential for cell proliferation and early embryonic development.[UniProtKB/Swiss-Prot Function]