

Product datasheet for **RR204467**

Prps2 (NM_012634) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Prps2 (NM_012634) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Prps2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR204467 representing NM_012634
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCCAACATCGTGCTCTTCAGCGGCAGCTCTACCAGGACCTGTCGCAGCGCGTGGCCGATCGCCTGG
GCCTGGAGCTGGCAAGGTGGTCACCAAGAAGTTTAGCAACCAGGAGACCAGTGTGAGATTGGTAAAAG
TGTGCGAGGGGAAGATGTCTATATCATCCAGAGCGGCTGTGGGAAATTAATGACAATTGATGGAGCTA
CTCATCATGATCAACGCGTGAAGATTGCATCCTCATCCAGGGTAACAGCTGTGATACCCGCTTCCCCT
ACGCCCCGCAAGATAAAAAGGACAAGAGTCGTGCTCCAATTTCTGCTAAGCTTGTGGCAATATGTTGTC
AGTTGCTGGGGCTGATCACATCATTACCATGGACCTGCATGCCTCTCAGATCCAGGGCTTCTTTGATATT
CCTGTGGATAATTTATATGCAGAACCTGCAGTTCTTCAGTGGATTCGGGAGAACATCACTGAATGGAGAA
ACTGTATTATTGTTTCTCCAGATGCTGGAGGAGCCAAAAGGGTTACGTCAATTGCAGACAGACTGAATGT
GGAATTTGCTTTGATTCACAAAGAGAGAAAAGCAAAATGAAGTGGACCGGATGGTTCTTGTGGCCGAT
GTGAAGGACCGTGTGGCTATCCTGGTGGACGACATGGCTGACACATGTGGTACCATCTGTCATGCTGCAG
ATAAGTACTCTCAGCTGGTGCCACAAAGTTTATGCTATTCTTACCCATGGAATCTTCTCTGGGCCAGC
TATTTCCAGAATAAATAATGCTGCCTTTGAAGCAGTTGTTGTCACCAATACCATTCCACAAGAGGACAAA
ATGAAACTGTTCAAAATTCAGTGATCGACATTTCAATGATTCTGGCTGAGGCCATTGGAAGAACCC
ACAATGGGGAATCCGTGTCCTATCTGTTTCAGCCATGTCCCCTG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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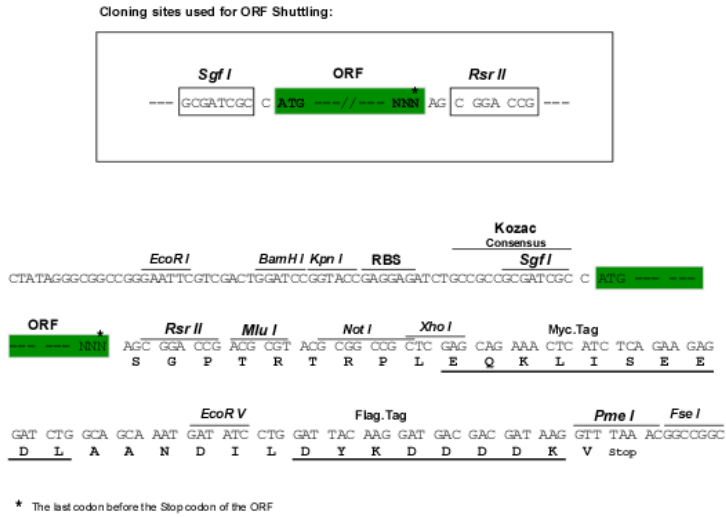
Protein Sequence: >RR204467 representing NM_012634
 Red=Cloning site Green=Tags(s)

MPNIVLFSGSSHQDLSQRVADRLGLELGKVVTKKFSNQETSVEIGESVRGEDVYIIQSGCGEINDNLMEL
 LIMINACKIASSSRVTAVIPCFPYARQDKKDKSRAPISAKLVANMLSVAGADHIIITMDLHASQIQGFFDI
 PVDNL YAEPV LQWIRE NIT EWRNCII VSPDAGGAKRVTSIADRLNVEFAL IHKERRKKANEVDRMVLVGD
 VKDRVA I LVDDMADTCGTICHAADKLLSAGATKVYAIL THGIFSGPAISRINNAAFEAVVVTNTIPQEDK
 MKHCKSIQVIDISMILAEAIRRTHNGESVSYLFSHVPL

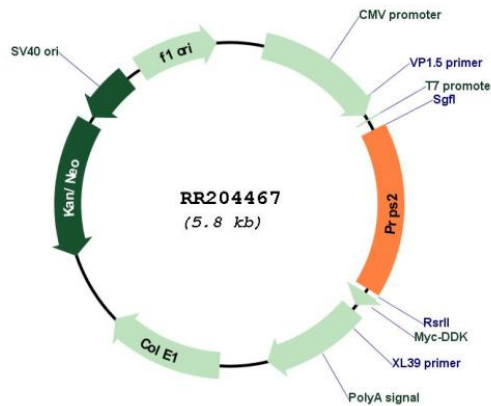
SGP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_012634

ORF Size:	954 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_012634.1 , NP_036766.1
RefSeq Size:	2697 bp
RefSeq ORF:	957 bp
Locus ID:	24689
UniProt ID:	P09330
Cytogenetics:	Xq13
MW:	34.8 kDa
Gene Summary:	may catalyze the conversion of ATP and D-ribose 5-phosphate to AMP and 5-phospho-alpha-D-ribose 1-diphosphate [RGD, Feb 2006]