

## Product datasheet for **RR212777**

### Prps1 (NM\_017243) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Prps1 (NM\_017243) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Prps1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR212777 representing NM\_017243  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCGAATATCAAATCTTCAGCGGGAGCTCCCACCAGGACTTATCCCAGAAAATTGCTGACCGCCTGG  
GCCTGGAGCTAGGCAAGGTGGTGACTAAGAAATTCAGCAACCAGGAGACCTGTGGAAATTGGGGAGAG  
TGTTTCGTGGAGAGGATGTCTACATTGTTTCAGAGTGGCTGCGGTGAGATAAATGACAATCTAATGGAGCTT  
TTGATCATGATCAATGCTTGCAAGATCGCTTCTGCCAGCCGGGTTACTGCGGTATCCCATGCTTCCCTT  
ATGCCCGCAGGATAAGAAGGATAAGAGCCGGGCTCCAATCTCAGCTAAGCTTGTGCAAAATATGCTATC  
TGTAGCAGGTGCGGATCATATTATCACCATGGATCTACATGCATCTCAGATTGAGGGCTTCTTTGATATC  
CCAGTGGACAATTTATACGCAGAGCCAGCTGTCCTGAAGTGGATTCGGGAGAACATATCTGAGTGGAGAA  
ACTGTACTATTGTCTCACCTGACGCTGGCGGAGCCAAGAGAGTGACCTCCATTGCAGACCGATTGAATGT  
GGATTTTGCTTTGATTCACAAAGAACGGAAGAAGGCCAATGAAGTGGACCGCATGGTACTAGTAGGAGAT  
GTGAAGGATCGTGTGGCTATACTTGTGGATGACATGGCTGACACTTGTGGTACAATTTGTCATGCTGCTG  
ACAAACTTCTCTCAGCTGGAGCTACCAGAGTTTATGCCATTTTGACGCATGGGATCTTTTCTGGCCAGC  
CATTTCTCGCATCAACAATGCATGCTTTGAAGCAGTAGTAGTTACCAATACCATACCTCAGGAGGACAAG  
ATGAAACACTGCTCCAAAATCCAGGTGATCGACATCTCTATGATCCTTGCAGAAGCCATCAGGAGAACCC  
ACAATGGAGAATCTGTCTCCTACCTGTTTCAGCCATGTTCTCTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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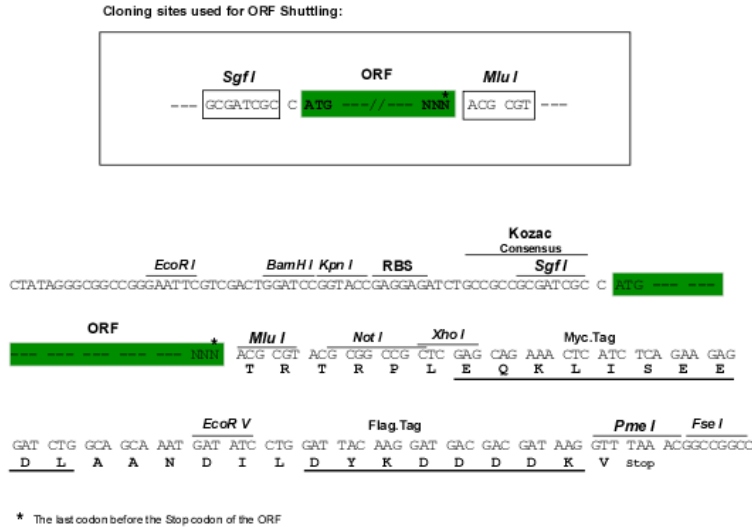
Protein Sequence: >RR212777 representing NM\_017243  
 Red=Cloning site Green=Tags(s)

MPNIKIFSGSSHQDL SQKIADRLGLEL GKVVTKKFSNQETCVEIGESVRGEDVYIVQSGCGEINDNLMEL  
 LIMINACKIASASRVTAVIPCFPYARQDKKDSRAPISAKLVANMLSVAGADHIIITMDLHASIQGFFDI  
 PVDNLYAEPV LKWIRE NISEWRNCTIVSPDAGGAKRVTSIADRLNVDFAL IHKERKKANEVDRMVLVGD  
 VKDRVA I LVDDMADTCGTICHAADKLLSAGATRVYAIL THGIFSGPAISRINNACFEAVVVTNTIPQEDK  
 MKHC SKIQVIDISMILAEAIRRTHNGESVSYLFSHVPL

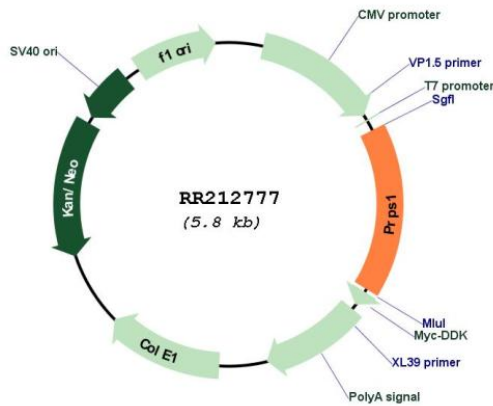
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_017243

<b>ORF Size:</b>	954 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_017243.2</a> , <a href="#">NP_058939.1</a>
<b>RefSeq Size:</b>	1999 bp
<b>RefSeq ORF:</b>	957 bp
<b>Locus ID:</b>	29562
<b>UniProt ID:</b>	<a href="#">P60892</a>
<b>Cytogenetics:</b>	Xq32
<b>MW:</b>	34.8 kDa
<b>Gene Summary:</b>	may phosphorylate ribose [RGD, Feb 2006]