

## Product datasheet for RN212942

### Prpsap1 (NM\_022545) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prpsap1 (NM_022545) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Prpsap1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN212942 representing NM_022545 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCAGGAAGCTGCTACTGCCCCAGCTGTCCGCGTCTCCGCTCTGCGCGTCCCGGGCCCGGC  
CCGCCGCTCGCCGGCCATGAACGCCGCCGACTGGCTACCGAGTCTTTTCGGCCAACCTCACGGCCGC  
CTGCACGGAGCTGGCCAAGCGCATCACTGAGCGTCTTGGTGTGAATTGGGAAATCTGTTGTTTATCAG  
GAGACCAATGGAGAAACCAGAGTTGAAATCAAAGAGTCTGTTTCGTGGCCAAGATATTTTCATTATACAAA  
CCATACCCAGAGATGTGAATACGGCCGTGATGGAGCTGCTGATCATGGCGTACGCCCTGAAGACTGCCTG  
TGCCAGGAATATCATCGGTGTCACTCCCTACTTCCCTACAGCAAACAAAGCAAGATGAGGAAGAGGGGC  
TCCATTGTGTGAAGCTCCTGGCATCCATGCTGGCAAAAGCTGGTCTAACTCACATTATCACTATGGATC  
TTCACAAAAGGAAATACAAGGCTTTTTCTGCTTCCCGTGGACAACCTTAGAGCCTCACCTTCTCTGCT  
CCAGTATATCCAGGAAGAAATCCAAATTACAGAAATGCAGTCATTGTAGCTAAGTCTCCTGATGCTGCA  
AAAAGGGCTCAGTCTATGCAGAGAGACTACGCCCTGGCCTGGCTGTGATCCACGGAGAAGCTCAGTGCA  
CAGAGCTAGACATGGATGACGGTCGACACTCACCCCATGGTCAAGAACGCCACTGTGCACCCCGGCT  
GGAGCTACCCTTGATGATGGCCAAAGAGAAGCCACCAATAACAGTGGTCGGAGACGTCGGGGACGCATT  
GCAATCATAGTGGATGACATCATTGATGATGTGGAGAGCTTTGTTGCTGCTGCAGAGACCCTGAAAGAGA  
GAGGTGCTTACAAGATCTATGTCATGGCCACGCACGGCATCCTGTCTGCTGAAGCTCCCGTCTGATCGA  
GGAGTCCCCATTGATGAGGTGGTGGTACGAACACTGTCCCTCACGAGCTTCAGAACTACAGTGTCCC  
AAGATAAAGACTGTGGACATCAGCTTGATTCTTTCTGAGGCGATTTCGGAGAATCCATAATGGCGAATCCA  
TGGCTTACCTCTTCCGGAACATCACAGTGGATGAT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAAGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_022545
Insert Size:	1158 bp
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"><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>
RefSeq:	<a href="#">NM_022545.3</a> , <a href="#">NP_071990.2</a>
RefSeq Size:	1723 bp
RefSeq ORF:	1158 bp
Locus ID:	64390
Cytogenetics:	10q32.1
Gene Summary:	binds catalytic subunits of the ribose-phosphate diphosphokinase enzyme complex; may act as a negative regulator of enzyme activity [RGD, Feb 2006]