

## Product datasheet for MR224598

### Prpsap2 (NM\_001164243) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prpsap2 (NM_001164243) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prpsap2
Synonyms:	A230054F23Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR224598 representing NM_001164243 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGAGCTGCTGATCATGGTATATGCATGTAAGACCTCATGTGCCAAGAGCATCATCGGAGTGATCCCT  
ACTTTTCTTATAGCAAGCAATGCAAAATGAGAAAAGGGCTCCATTGTCTCAAATTTGCTGGCTTCTAT  
GATGTGCAAAGCTGGTCTGACTCATCTCATCACTATGGATTTACACCAGAAGGAAATCCAGGGCTTCTTC  
AATATTCCAGTGGATAATTTAAGAGCCTCCCATTCCTGTTACAATATATTCAAGAAGAGATCCAGATT  
ATAGGAATGCAGTCATCGTGGCCAAGTCTCCAGCCTCAGCCAAGAGGGCACAATCTTTGTCAGAGCGTCT  
ACGTCTGGGAATCGCAGTGATCCATGGAGAAGCACAGGATGCTGAGTCTGACTTGGTGGATGGCCGGCAC  
TCCCCACCAATGGTCAGGAGTGTAGTGCCATCCATCCCAGCCTGGAGATCCCGATGCTGATTCCTAAAG  
AGAAGCCCCCAATCACAGTTGTTGGTGTGTTGGAGGAAGAATCGCCATCATTGTGGATGACATTATTGA  
TGATGTGGATAGCTTTCTTGCTGCAGCAGAGACCCTGAAGGAAAGAGGTGCATACAAGATCTTTGTGATG  
GCCACTCAGGCTTGTATCCTCTGATGCTCCCCGGCTGATTGAAGAGTCTGCCATTGATGAGGTGGTGG  
TCACTAACACGATCCCACACGAGATCCAGAAGCTGCAGTGCCCAAGATCAAGACTGTGGACATCAGCAT  
GATCCTCTCAGAAGCCATCCGCCGAATTCACAACGGGGAGTCCATGTCTACCTTTTCAGAAACATAGGC  
TTAGATGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR224598 representing NM\_001164243  
 Red=Cloning site Green=Tags(s)

MELLIMVYACKTSCAKSIIGVIPYFPYSKQCKMRKRSIVSKLLASMMCKAGLTHLITMDLHQKEIQGFF  
 NIPVDNLRASPFLQYIQEEIPDYRNAIVAKSPASAKRAQSF AERLR LGLAVIHGEAQDAESDLVDGRH  
 SPPMVRVAAIHP SLEIPMLIPKEKPPITVVGDVGGRIAI VDDIIDDVDSFLAA AETLKERGAYKIFVM  
 ATHGLSSDAPRLIEESAIDEVVV TNTIPHEIQKLQCPKIKTVDISMILSEAIRRIHNGESMSYLF RNIG  
 LDD

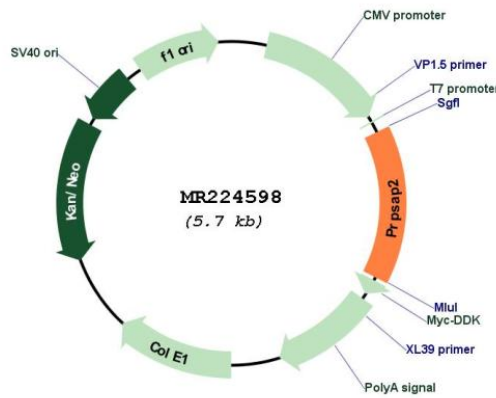
TRTRP LEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001164243

ORF Size: 849 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_001164243.1</a> , <a href="#">NP_001157715.1</a>
<b>RefSeq Size:</b>	1814 bp
<b>RefSeq ORF:</b>	852 bp
<b>Locus ID:</b>	212627
<b>Cytogenetics:</b>	11 B2
<b>MW:</b>	31.7 kDa
<b>Gene Summary:</b>	Seems to play a negative regulatory role in 5-phosphoribose 1-diphosphate synthesis. [UniProtKB/Swiss-Prot Function]