

## Product datasheet for **MG205438**

### Prpsap1 (BC029621) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prpsap1 (BC029621) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prpsap1
Synonyms:	5730409F23Rik; PAP39
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205438 representing BC029621 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAACGCAGCCCGCACCGGCTACCGAGTCTTCTCGGCCAACTCCACGGCCGCTGCACGGAAGTGGCCA  
AGCGCATCACTGAGCGTCTTGGTGTGAATTGGGAAATCTGTTGTATATCAGGAGACCAATGGAGAAAC  
AAGAGTTGAAATCAAAGAATCTGTTCTGGCCAAAGATATTTTCATTATACAGACAATACCCAGAGATGTG  
AATACGGCTGTGATGGAGCTGCTGATCATGGCGTATGCACTGAAGACCGCTGCGCCAGGAATATCATTG  
GCGTCATCCCCTACTTCCCCTACAGCAAGCAAAGCAAGATGCGCAAGAGGGGCTCCATTGTGTGCAAGCT  
CCTGGCATCCATGCTGGCGAAAGCTGGTTAACTCACATTATCACTATGGACCTCCACAAAAGGAAATA  
CAAGGCTTTTTAGCTTTCCCGTGGACAACCTTAGAGCCTCACCTTTCTGCTTCAGTATATCCAGGAAG  
AAATTCAAAATTACAGAAATGCAGTCATTGTAGCTAAGTCTCCTGATGCTGCAAAAAGGGCTCAGTCCTA  
TGCTGAAAGGCTCCGCTGGGGCTGGCTGTGATCCACGGAGAAGCGCAGTGTACAGAGCTGGATATGGAC  
GACGGTCGGCACTCCCCACCCATGGTCAAGAACGCCACGGTGCACCCAGGCTGGAGCTGCCCTTAATGA  
TGGCCAAAGAGAAGCCACCAATAACAGTGGTGGAGACGTCGGGGGACGCATTGCGATTATAGTGGATGA  
CATCATTGATGACGTGGAGAGCTTTGTTGCTGCTGCAGAGATCCTGAAAGAGAGAGGTGCTTACAAGATC  
TATGTCATGGCCACGCACGGCATCCTGTCTGCTGAAGCCCCCTGATTGAGGAGTCCCCATTGATG  
AGGTGGTGGTGACAAACACTGTCCCTCATGAACCTCAGAAACTACAGTGTCCCAAGATAAAGACTGTGGA  
CATCAGCCTGATTCTTTCTGAGGCGATTTCGGAGAATCCACAATGGAGAGTCTATGGCTTACCTCTCCGG  
AACATCACAGTGGATGAC

**ACGGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205438 representing BC029621  
Red=Cloning site Green=Tags(s)

MNAARTGYRVFSANSTAACTELAKRITERLGAELGKSVVYQETNGETRVEIKESVRGQDIFIQTIIPRDV  
 NTAVMELLIMAYALKTACARNIIGVIPYFPYSKQSKMRKRGSI VCKLLASMLAKAGLTHIITMDLHQKEI  
 QGFFSFPVDNLRASPFLLQYIQEEIPNYRNAVIVAKSPDAAKRAQSYAERLRLGLAVIHGEAQCTELDMD  
 DGRHSPPMVKNATVHPGLELPLMMAKEKPPITVVDVGGRIAIIVDDIIDDVESFVAAAEILKERGAYKI  
 YVMATHGILSAEAPRLIEESPIDEVVVTNTVPHLQKLQCPKIKTVDISLILSEAIRRIHNGESMAYLFR  
 NITVDD

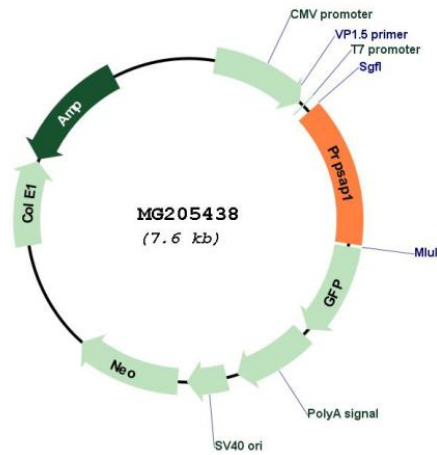
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** BC029621

<b>ORF Size:</b>	1070 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="#">BC029621</a> , <a href="#">AAH29621</a>
<b>RefSeq Size:</b>	1842 bp
<b>RefSeq ORF:</b>	1070 bp
<b>Locus ID:</b>	67763
<b>Cytogenetics:</b>	11 E2
<b>Gene Summary:</b>	Seems to play a negative regulatory role in 5-phosphoribose 1-diphosphate synthesis. [UniProtKB/Swiss-Prot Function]