

Product datasheet for **MG223240**

Prpsap2 (NM_001164244) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prpsap2 (NM_001164244) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prpsap2
Synonyms:	A230054F23Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG223240 representing NM_001164244 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCTGCTGATCATGGTATATGCATGTAAGACCTCATGTGCCAAGAGCATCATCGGAGTGATCCCT
ACTTTCCTTATAGCAAGCAATGCAAAATGAGAAAAAGGGCTCCATTGTCTCAAATTTGCTGGCTTCTAT
GATGTGCAAAGCTGGTCTGACTCATCTCATCACTATGGATTTACACCAGAAGGAAATCCAGGGCTTCTTC
AATATTCCAGTGGATAATTTAAGAGCCTCCCCATTCTGTACAATATATTCAAGAAGAGATCCCAGATT
ATAGGAATGCAGTCATCGTGGCCAAGTCTCCAGCCTCAGCCAAGAGGGCACAATCTTTGCAGAGCGTCT
ACGCTCGGAATCGCAGTGATCCATGGAGAAGCACAGGATGCTGAGTCTGACTTGGTGGATGGCCGGCAC
TCCCCACCAATGGTCAGGAGTGTAGCTGCCATCCATCCCAGCCTGGAGATCCCGATGCTGATTCTAAAG
AGAAGCCCCCAATCACAGTTGTTGGTGTGTTGGAGGAAGAATCGCCATCATTGTGGATGACATTATTGA
TGATGTGGATAGCTTTCTTGCTGCAGCAGAGACCCTGAAGGAAAGAGGTGCATACAAGATCTTTGTGATG
GCCACTCACGGCTTGTATCCTCTGATGCTCCCGGCTGATTGAAGAGTCTGCCATTGATGAGGTGGTGG
TCACTAACACGATCCACACGAGATCCAGAAGCTGCAGTGCCCAAGATCAAGACTGTGGACATCAGCAT
GATCCTCTCAGAAGCCATCCGCCGAATTCACAACGGGGAGTCCATGTCTACCTTTTCAGAAACATAGGC
TTAGATGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG223240 representing NM_001164244
 Red=Cloning site Green=Tags(s)

MELLIMVYACKTSCAKSIIGVIPYFPYSKQCKMRKRSIVSKLLASMMCKAGLTHLITMDLHQKEIQGFF
 NIPVDNLRASPFLQYIQEEIPDYRNAIVAKSPASAKRAQSF AERLR LGLIAVIHG EAQDAESDLVDGRH
 SPPMVRVAAIHP SLEIPMLIPKEKPPITVVG DVGGRIAI VDDIIDDVDSFLAA AETLKERGAYKIFVM
 ATHGLLSSDAPRLIEESAIDEVVV TNTIPHEIQKLQCPKIKTVDISMILSEAIRRIHNGESMSYLF RNI
 LDD

TRTRPLE - GFP Tag - V

Restriction Sites:

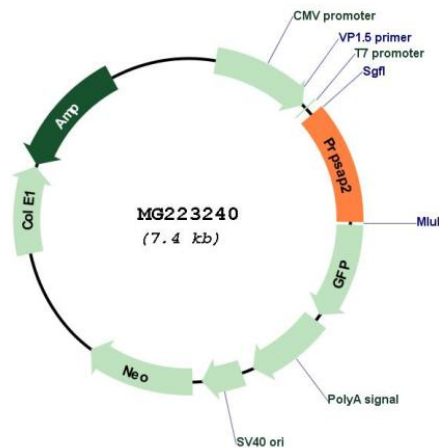
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001164244

ORF Size: 849 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_001164244.1 , NP_001157716.1
RefSeq Size:	1718 bp
RefSeq ORF:	852 bp
Locus ID:	212627
Cytogenetics:	11 B2
Gene Summary:	Seems to play a negative regulatory role in 5-phosphoribose 1-diphosphate synthesis. [UniProtKB/Swiss-Prot Function]