

Product datasheet for MR205438

Prpsap1 (NM_026364) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prpsap1 (NM_026364) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prpsap1
Synonyms:	5730409F23Rik; PAP39
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205438 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAACGCAGCCCGCACCGGCTACCGAGTCTTCTCGGCCAACTCCACGGCCGCTGCACGGAAGTGGCCA
AGCGCATCACTGAGCGTCTTGGTGTGAATTGGGAAATCTGTTGTATATCAGGAGACCAATGGAGAAAC
AAGAGTTGAAATCAAAGAATCTGTTCTGGCCAAAGATATTTTCATTATACAGACAATACCCAGAGATGTG
AATACGGCTGTGATGGAGCTGCTGATCATGGCGTATGCACTGAAGACCGCTGCGCCAGGAATATCATTG
GCGTCATCCCCTACTTCCCCTACAGCAAGCAAAGCAAGATGCGCAAGAGGGGCTCCATTGTGTGCAAGCT
CCTGGCATCCATGCTGGCGAAAGCTGGTTAACTCACATTATCACTATGGACCTCCACAAAAGGAAATA
CAAGGCTTTTTAGCTTTCCCGTGGACAACCTTAGAGCCTCACCTTTCTGCTTCAGTATATCCAGGAAG
AAATTCAAAATTACAGAAATGCAGTCATTGTAGCTAAGTCTCCTGATGCTGCAAAAAGGGCTCAGTCCTA
TGCTGAAAGGCTCCGCTGGGGCTGGCTGTGATCCACGGAGAAGCGCAGTGTACAGAGCTGGATATGGAC
GACGGTCGGCACTCCCCACCCATGGTCAAGAACGCCACGGTGCACCCAGGCTGGAGCTGCCCTTAATGA
TGGCCAAAGAGAAGCCACCAATAACAGTGGTGGAGACGTCGGGGGACGCATTGCGATTATAGTGGATGA
CATCATTGATGACGTGGAGAGCTTTGTTGCTGCTGCAGAGATCCTGAAAGAGAGAGGTGCTTACAAGATC
TATGTCATGGCCACGCACGGCATCCTGTCTGCTGAAGCCCCCTGATTGAGGAGTCCCCATTGATG
AGGTGGTGGTGACAAACTGTCCCTCATGAACCTCAGAAACTACAGTGTCCCAAGATAAAGACTGTGGA
CATCAGCCTGATTCTTTCTGAGGCGATTCCGAGAATCCACAATGGAGAGTCTATGGCTTACCTCTCCGG
AACATCACAGTGGATGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR205438 protein sequence
 Red=Cloning site Green=Tags(s)

MNAARTGYRVFSANSTAACTELAKRITERLGAELGKSVVYQETNGETRVEIKESVRGQDIFIQTIPRDV
 NTAVMELLIMAYALKTACARNIIGVIPYFPYSKQSKMRKRGSI VCKLLASMLAKAGLTHIITMDLHQKEI
 QGFFSFPVDNLRASPFLLQYIQEEIPNYRNAVIVAKSPDAAKRAQSYAERLRLGLAVIHGEAQCTELDMD
 DGRHSPPMVKNATVHPGLELPLMMAKEKPPITVVDVGGRIAIIVDDIIDDVESFVAAAEILKERGAYKI
 YVMATHGILSAEAPRLIEESPIDEVVVNTVPHLQKLQCPKIKTVDISLILSEAIRRIHNGESMAYLFR
 NITVDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_026364

ORF Size: 1071 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:

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_026364.1](#), [NP_080640.1](#)

RefSeq Size: 1868 bp

RefSeq ORF: 1158 bp

Locus ID: 67763

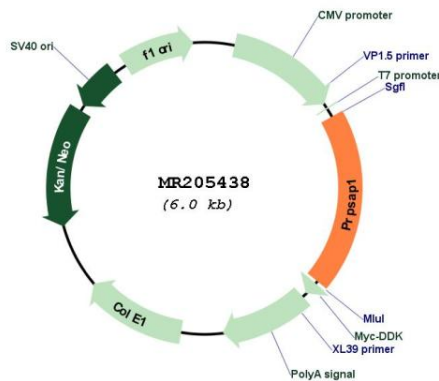
UniProt ID: [Q9D0M1](#)

Cytogenetics: 11 E2

MW: 39.4 kDa

Gene Summary: Seems to play a negative regulatory role in 5-phosphoribose 1-diphosphate synthesis. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205438