

## Product datasheet for MR201101

### Plp2 (BC092095) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Plp2 (BC092095) Mouse Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Plp2  
Synonyms: mIMA4  
Mammalian Cell Selection: Neomycin  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
ORF Nucleotide Sequence: >MR201101 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGATTCTGAGCGTCTCTCGGCCCGGCTGCTGGTTAGCCTGCACCAGTTCTCGCGACCAAAA  
AGGGAATTCTCCTGTTTGTGCTGAGATTATACTGTGCCTGGTATTTGATTGCTTCAGTGCATCTACAAC  
ATCGGCCTACTCCTCCCTGTCGGTGATTGAGATGATCTGTGCTGTCTTATTTGTCTTCTACATGTGT  
GACCTGCACTCCAAGATATCATTATCACTGGCCTTGGACTGACTTCTTCAGATCCCTCATAGCAACCA  
TCCTGTACCTGATCACCTCCATTGTTGCTTGTAGAAGGAAGAGGCAGCTCCAGAGTTGTCGCTGGGAT  
ACTGGGCTTACTTGTACGTTGCTCTTTGGCTACGATGCATACATCACCTCCCTCTAAAGCAGCAAAGA  
CATACAGCAGCTCCCACTGACCCCACTGATGGCCCG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201101 protein sequence  
Red=Cloning site Green=Tags(s)

MADSERLSAPGCWLACTSFSRRTKKGILLFAEIIILCLVILICFSASTTSAYSSLSVIEMICAAVLVVFYMC  
DLHSKISIFINWPWTDFFRSLIATILYLITSIVLVEGRGSSRVVAGILGLLATLLFGDYAITFPLKQQR  
HTAAPTDPDGP

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:



ACCN: BC092095

ORF Size: 456 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: [BC092095](#), [AAH92095](#)

RefSeq Size: 1077 bp

RefSeq ORF: 458 bp

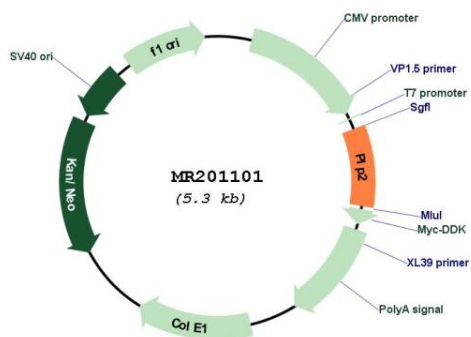
Locus ID: 18824

Cytogenetics: X 3.45 cM

**MW:** 16.7 kDa

**Gene Summary:** May play a role in cell differentiation in the intestinal epithelium.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR201101