

Product datasheet for **MR202595**

Prl2c4 (NM_011954) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prl2c4 (NM_011954) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prl2c4
Synonyms:	MRP-3; mrp/plf3; Mrpplf3; PLF-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202595 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTCCCTTCTTTGATTCAACCATGCTCCTGGATACTGCTCCTACTACTGGTGAACAGCTCGTTATTGT
 GGAAGAATGTTGCCTCATTTCCCATGTGTGCAATGAGGAATGGTCGTTGCTTTATGTCCTTTGAAGACAC
 ATTTGAATTAGCCGGCAGTTTGTCTCATAATATCAGTATAGAAGTTTCAGAACTGTTCACTGAATTTGAA
 AACATTATTCTAACGTGTCTGGGCTCAGAGACAAAAGCCCCATGGGATGCAATACTTCTTCTCTCCAA
 CTCCAGAAAGCAAGGAACAAGCCAGGCTCACACACTATTCAGCTCTTCTGAAATCAGGAGCCATGATTTT
 GGATGCCTGGGAAAGCCCTCTGGACGATCTAGTGAGTGAATTGTCTACCATAAAAAATGTCCTGATATA
 ATCATCTCCAAAGCCACAGACATAAAGAAAAAGATCAACGCAGTCCGGAACGGGGTTAATGCCCTCATGA
 GCACCATGCTTCAGAATGGAGATGAAGAAAAGAAGAACCTGCCTGGTCTTGCAATCTGACAATGAAGA
 TGCTCGCATTCTTTATATGGCATGATCAGCTGCCTAGACAATGACTTTAAGAAGGTTGATATTTAT
 CTCAACGTCCTGAAGTGTACATGTTAAAAATAGATAACTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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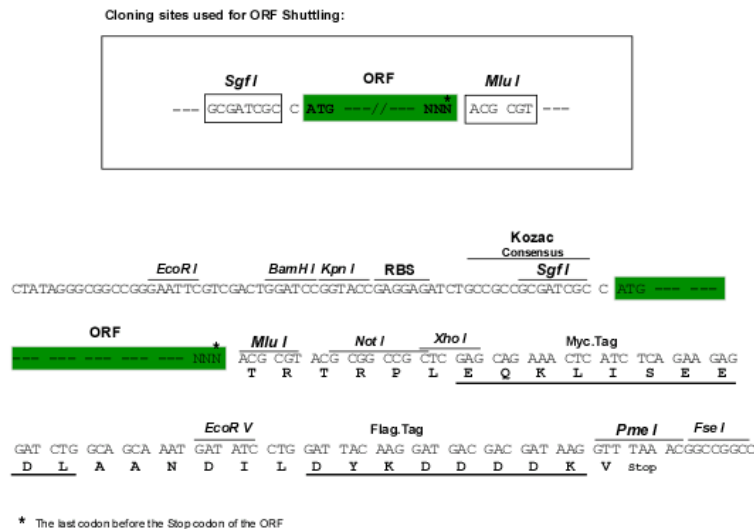
Protein Sequence: >MR202595 protein sequence
 Red=Cloning site Green=Tags(s)

MLPSLIQPCSWILLLLL VNSSLWKNVASFPMCAMRNGRCFMSFEDTFELAGSLSHNISIEVSELFTEFE
 KHYSNVSGLRDKSPMGCNTSFLPTPESEQARLTHYSALLKSGAMILDWESPLDDL VSELSTIKNVPDI
 IISKATDIKKKINAVRNGVNALMSTMLQNGDEEKKNPAWFLQSDNEDARIHSLYGMISCLDNDFFKKVDIY
 LNLVKCYMLKIDNC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011954

ORF Size: 672 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_011954.1](#), [NM_011954.2](#), [NP_036084.2](#)

RefSeq Size: 869 bp

RefSeq ORF: 675 bp

Locus ID: 26421

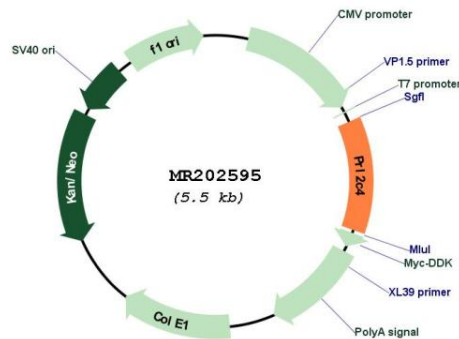
UniProt ID: [P04768](#)

Cytogenetics: 13 A1

MW: 25.2 kDa

Gene Summary: May have a role in embryonic development. It is likely to provide a growth stimulus to target cells in maternal and fetal tissues during the development of the embryo at mid-gestation. May play a role during wound healing and in the hair follicle cycle as a growth factor and/or an angiogenesis factor. May play a role in microvilli formation and cell proliferation of neuroblastoma cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202595