

Product datasheet for MR205894

Prelp (NM_054077) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prelp (NM_054077) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prelp
Synonyms:	7330409J17Rik; SLRR2A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205894 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGGCATCCTTCTTCTGGCTCCTCCCACTTCTCCTCATCTTGGCCTCAGTGGCCCAAGGCCAACCGA
CAAGACCAAAACCTGGGATTAGGCGTAAACCCAAGCCGAGGCCACACCCAGATTTCTCAGGCCCCCGA
GCCAGCAGAGCCGACAGACCTGCCTCCACCTCTTCTCCCGGCCCTCCATCTGTCTTCCCTGACTGTCCA
CGGAATGCTACTGCCCCCTGACTTCCCGTCAGCCCTCTACTGTGACAGCCGAAACCTGCGAAGGGTCC
CCGTCATCCCACCCGAATCCATTACCTTTACTTGCAGAACAACTTCATCACTGAGCTTCTCTGGAATC
TTTCCAGAATGCCACGGGCTGAGGTGGGTCAACCTGGACAACAACCGAATTCGCAAGGTGGACCAGAGA
GTTCTGGGGAAGCTCCCCAGCCTGGCATTCTCTACATGGAGAAGAACCAGCTGGAGAGGTGCCATCAG
CTCTGCCCCGGAACCTTGGAACAGCTGAGGCTGAGCCAGAACCTCATTTCCAGGATCCCGCCCGGAGTGTT
CAGCAAGCTGGAGAACCTGCTGCTCCTGGATCTGCAGCACAATCGGCTGAGCGACGGCGTCTTCAAGGCC
GACACCTTCCAGGGCCTCAAAAACCTCATGCAGCTCAATCTAGCCACAACATCCTGAGAAAAGTGGCCC
CCAAAGTCCCCAAGCCATCCACCAGCTTACCTGGATAGCAACAAGATCGAGACCATCCCCAACGGGTA
CTTCAAGGACTTCCCCAACCTGGCCTTCATCCGCATGAACATAACAACCTGTGAGATCGCGGGCTCCCC
AAGAATCCTTCAACATCTCAACTTGTGGTGTCCACCTGTCTCACAACAAGATCAGCAACGTCGCGG
CCATCAGCAACAAGCTGGAACACCTGTACCTCAACAACAATAGCATAGAGAAAATCAACGGGACCCAGAT
TTGCCCAACAACCTAGTGGCCTTCCATGACTTCTCCTCGGATCTGGAACAGTGGCCACCTGCGCTAC
CTGCGGCTGGATGGAATTTTCTGAAGCCTCCCATCCCACTGGACCTCATGATGTGCTTCCGCTCCTGC
AGTCCGTGGTCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205894 protein sequence
 Red=Cloning site Green=Tags(s)

MRASFFWLLPLLLILASVAQGQPTRPKPGIRRKPKRPTPRFPQAEPEAEPTDLPPPLPPGPPSVFPDCP
 RECYCPDPFYSALYCDNRNLRVPVIPPRIHYLYLQNNFITELPLESFQATGLRWVNLNDRIRKVDQR
 VLGKPLSLAFLYMEKNQLEEVPALPRNLEQLRLSQLNISRIPPGVFSKLENLLLDLQHNRLSDGVFKA
 DTFQGLKNLMQLNLAHNILRKMPKVPQAIHQLYLDSNKIETIPNGYFKDFPNLAFIRMNYNKLSDRGLP
 KNSFNISNLLVLHLSHNKISNVPAINKLEHLYLNNNSIEKINGTQICPNNLVAFHDFSSDLENVPHRLY
 LRLDGNFLKPP IPLDLMMCFRLLQSVVI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_054077

ORF Size: 1137 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_054077.1](#), [NM_054077.2](#), [NM_054077.3](#), [NM_054077.4](#), [NP_473418.2](#)

RefSeq Size: 3602 bp

RefSeq ORF: 1137 bp

Locus ID: 116847

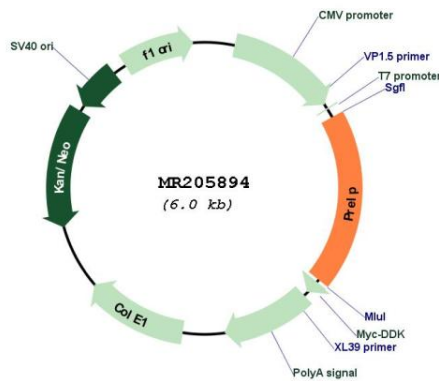
UniProt ID: [Q9JK53](#)

Cytogenetics: 1 58.02 cM

MW: 43.3 kDa

Gene Summary: May anchor basement membranes to the underlying connective tissue.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205894