

## Product datasheet for **MG205894**

### Prelp (NM\_054077) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prelp (NM_054077) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Prelp
Synonyms:	7330409J17Rik; SLRR2A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205894 representing NM_054077 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGGCATCCTTCTTCTGGCTCCTCCCACTTCTCCTCATCTTGGCCTCAGTGGCCCAAGGCCAACCGA  
CAAGACCAAAACCTGGGATTAGGCGTAAACCAAGCCGAGGCCACACCCAGATTTCTCAGGCCCCCGA  
GCCAGCAGAGCCGACAGACCTGCCTCCACCTCTTCTCCCGGCCCTCCATCTGTCTTCCCTGACTGTCCA  
CGGAATGCTACTGCCCCCTGACTTCCCGTCAGCCCTCTACTGTGACAGCCGAAACCTGCGAAGGGTCC  
CCGTCATCCCACCCGAATCCATTACCTTTACTTGCAGAACAACTTCATCACTGAGCTTCTCTGGAATC  
TTTCCAGAATGCCACGGGCTGAGGTGGGTCAACCTGGACAACAACCGAATTCGCAAGGTGGACCAGAGA  
GTTCTGGGGAAGCTCCCCAGCCTGGCATTCTCTACATGGAGAAGAACCAGCTGGAGAGGTGCCATCAG  
CTCTGCCCCGGAACCTTGGAACAGCTGAGGCTGAGCCAGAACCTCATTTCCAGGATCCCGCCCGGAGTGT  
CAGCAAGCTGGAGAACCTGCTGCTCCTGGATCTGCAGCACAATCGGCTGAGCGACGGCGTCTTCAAGGCC  
GACACCTTCCAGGGCCTCAAAAACCTCATGCAGCTCAATCTAGCCACAACATCCTGAGAAAAGTGGCCC  
CCAAAGTCCCCAAGCCATCCACCAGCTTACCTGGATAGCAACAAGATCGAGACCATCCCCAACGGGTA  
CTTCAAGGACTTCCCCAACCTGGCCTTCATCCGCATGAACTACAACAACTGTGAGATCGCGGGCTCCCC  
AAGAATCCTTCAACATCTCAACTTGTGGTGTCCACCTGTCTCACAACAAGATCAGCAACGTGCCGG  
CCATCAGCAACAAGCTGGAACACCTGTACCTCAACAACAATAGCATAGAGAAAATCAACGGGACCCAGAT  
TTGCCCAACAACCTAGTGGCCTTCCATGACTTCTCCTCGGATCTGGAACAGTGGCCCACCTGCGCTAC  
CTGCGGCTGGATGGAATTTTCTGAAGCCTCCCATCCCACTGGACCTCATGATGTGCTTCCGCCTCTGC  
AGTCCGTGGTCATC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205894 representing NM\_054077  
 Red=Cloning site Green=Tags(s)

MRASFFWLLPLLLILASVAQGQPTRPKPGIRRKPKPRPTPRFPQAEPEAEPTDLPPPLPPGPPSVFPDCP  
 RECYCPPDFPSALYCDNRNLRVPVIPPRIHYLYLQNNFITELPLESFQATGLRWVNLNDRIRKVDQR  
 VLGKLPFLAFLYMEKNQLEEVPSALPRNLEQLRLSQLISRIIPGVFVKLENLLLDLQHNRLSDGVFKA  
 DTFQGLKNLMLNLAHNILRKMPKVPQAIHQLYLDSNKIETIPNGYFKDFPNLAFIRMNYNKLSDRGLP  
 KNSFNISNLLVLHLSHNKISNVPAISNKLEHLYLNNSIEKINGTQICPNNLVAFHDFSSDLENVPHRLRY  
 LRLDGNFLKPPPIPLDLMMCFRLLQSVVI

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_054077

**ORF Size:** 1134 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\\_054077.2](#), [NP\\_473418.2](#)

**RefSeq Size:** 3606 bp

**RefSeq ORF:** 1137 bp

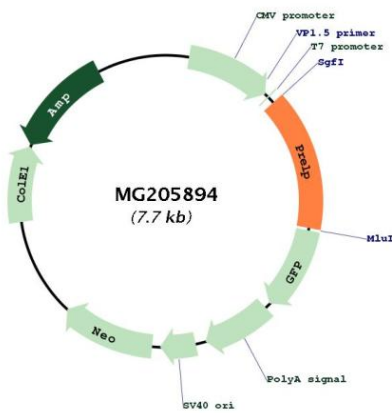
**Locus ID:** 116847

**UniProt ID:** [Q9JK53](#)

**Cytogenetics:** 1 58.02 cM

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

**Product images:**



Circular map for MG205894