

Product datasheet for **RG228420**

PODNL1 (NM_001146254) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	PODNL1
Synonyms:	SLRR5B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG228420 representing NM_001146254
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGGAGGCCACCCAGTGGCCGAGCCTGCTGCTGCTCCTGCTGTTGCCGGGGCCCCGCCGTCGCCG
 GCTTGAAGACGCTGCCTTCCCCACCTGGGGGAGAGCTTGCAGCCCTGCCCGGGCCTGTCCCTGCG
 CTGCTCCTGCCCCGAGTCGACACTGTGGACTGTGATGGCTTGGACCTTCGAGTGTTCGCGACAACATC
 ACCAGAGCCGCTCAGCACCTCTCCCTGCAGAACACCAGCTCCAGGAATCCCTACAATGAGCTGTCCC
 GCCTCAGTGGCCTGCGAACCTCAACCTCCACAACCTCATCTCCTCCGAAGGCCTGCCTGACGAGGC
 CTTCCAGTCCCTACCCAGCTGCAGCACCTCTGCGTGGCTCACAACAAGCTCTCAGTGGCCCTCAGTTT
 CTGCCCCGGTCCCTCCGTGTCGCGGATCTGGTGCCAAACCAAGTATGGAGATCTTCCCTCACCTTTG
 GGGAGAAGCCGGCACTCAGGTCCGTGTACCTCCACAACACCAGCTGAGCAACGCTGGCCTGCCCCCGA
 CGCCTTCCGCGGCTCCGAGGCCATGCCACCCTCAGCCTCTCCAACAACCAGCTCAGCTACCTGCCGCC
 AGCCTGCCGCCCTCACTCGAGCGGCTCCACCTGCAGAACAACTCTCATCTCCAAGGTGCCCGAGGAGCCC
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 GTGACCTGGTGCACACCGGGCTGACGAGCTTAACCTGGCCTATAACCGCCTGGCCAGCGCCCGTGT
 GCACACCGGGCCTTCCGCCGTTGCGTGCCTGCGCAGCCTCGACCTGGCAGGGAATCAGCTAACCCGG
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 CCGAGCCTCTGGCCGCGCTGGACCACTGCGGGAGCTCAGCCTGGCGCACACCGGCTCCGGGTGCGCGA
 CATCGGGCCAGGCACCTGGCATGAGCTCCAAGCCCTCAGGTGAGGCACAGGCTGGTTAGCCACACTGTC
 CCCAGGGCCCTCCATCCCCCTGCCTGCCCTGCCACGTCCCAAACATTCTAGTTAGCTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

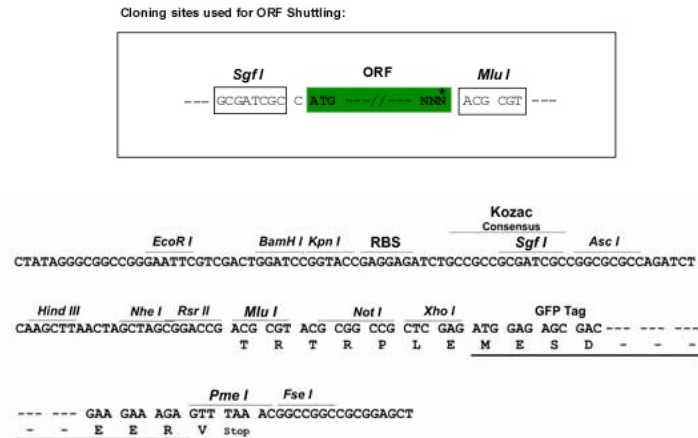
Protein Sequence: >RG228420 representing NM_001146254
 Red=Cloning site Green=Tags(s)

MGRPTQWPSLLLLLLPGPPPVAGLEDAAFPHLGESLQPLPRACPLRCSPRVDTVDCDGLDLRVFPDNI
 TRAAQHLSLQNNQLQELPYNELSRLSGLRTLNLHNNLISSEGLPDEAFESLTQLQHLCVAHNKLSVAPQF
 LPRSLRVADLAANQVMEIFPLTFGEKPAIRSVYLNHNNLSNAGLPPDAFRGSEAIATLSLSNNQLSYLPP
 SLPPSLERLHLQNNLISKVPRGALSRTQLRELYLQHNQLTDSGLDATTFSKLHSLEYLDLSHNQLTTVP
 AGLPRTLAILHLGRNRIQVEAARLHGARGRLRYLLQHNQLGSSGLPAGALRPLRGLHTLHLYGNGLDRV
 PPALPRRLRALVLPNHVAALGARDLVATPGLTELNLAYNRLASARVHHRAFRRRLRALRSLDLAGNQLTR
 LPMGLPTGLRTLQQRNQLRMLEPEPLAGLDQLRELSLAHNRLRVGDIGPGTWHELQALQVRHRLVSHTV
 PRAPPSCLPCHVPNIIYSW

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001146254

ORF Size: 1530 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_001146254.1](#), [NP_001139726.1](#)

RefSeq Size: 3308 bp

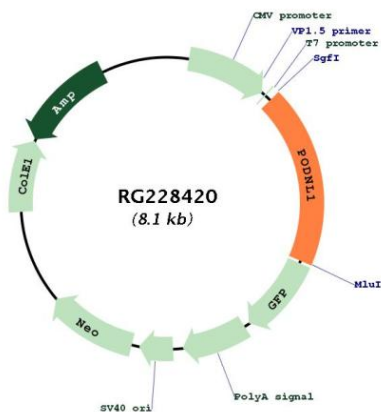
RefSeq ORF: 1533 bp

Locus ID: 79883

UniProt ID: [Q6PEZ8](#)

Cytogenetics: 19p13.12

Product images:



Circular map for RG228420