

Product datasheet for **RG221627**

DPY19L1 (NM_015283) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	DPY19L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG221627 representing NM_015283
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAAGGGCGCCGCTCCGGAAGGCCGTCGCCCCCGCGTCCTCGCACCGGCCGAGCCCCGCGGGG
 GCCGAAGAGCTGTTTTGCAGCAGTGTGCACTGGAGCCATATAACACACCTCTTTGAAAATGACCGTCA
 TTTTCTCACCTCTCAACATTGGAAGGGAGATGGCTTTTCGCACTGAAATGGGACTATATTATTCCTAT
 TTCAAGACTATTGTGGAAGCACCTCATTTTGAATGGAGTATGGATGATTATGAATGATAAACTGACTG
 AATACCCCTTGTCAATTAATACATTAATAAGATTCAATCTTTACCTGAGGTAAATTTGGCCAGTTGGTA
 CCGGATTTATACCAAAATAATGGACTTGATTGGTATTCAAACCAAGATATGTTGGACGGTTACCAAGGA
 GAAGGACTCAGTCTATTGAAAGCTGTGAAGGATTGGGAGATCCTGCTTCTTTATGTTGCTGTAATTT
 TTATTTTAAATGGACTAATGATGGCATTATTCTTCATATATGGACATATTTAAGTGGCAGCCGATTAGG
 AGGCCTGGTTACAGTGTGTGCTTCTTTTCAATCATGGAGAGTGTACCCGTGTAATGTGGACACCCT
 CTCCGTGAAAGCTTCTCATATCCATTTCTTGTCTTCAGATGTTGCTAGTGACTCATATTCTCAGGGCTA
 CAAAATTTATAGAGGAAGCTTGATTGCACTCTGCATTTCCAATGTATTTTTCATGCTTCTTGGCAGTT
 TGCTCAGTTTGTACTTCTTACTCAGATTGCATCATTATTGTCAGTATATGTTGTCGGGTACATTGATATA
 TGTAATACGGAAGATCATTTATACACATGATTCTCTTGCCTTTGTTTGTGTTTGTGTTTGGGA
 ACTCAATGTTATTAACCTCTTATTATGCTTCTTCTTTGGTAATTATTTGGGGTATTCTGGCAATGAAACC
 ACATTTCTGAAAATAAATGTATCTGAACCTAGTTTATGGGTATTCAAGGATGTTTTTGGTTATTTGGA
 ACTGTCATACTTAAATACTTGACATCTAAAATTTTGGTATTGCAGATGACGCTCATATTGGCACTTAC
 TAACATCAAAATCTTTAGTTATAAGGATTTTGATACTTTATTGTATACCTGTGACGCGGAGTTGACTT
 TATGGAAGGAGACTCCACTGAGATACACAAAGACATTATTGCTTCCAGTTGTTCTTGTAGTGTGTTGTT
 GCTATTGTTAGAAAGATTATTAGTGATATGTGGGTGTCTTAGCTAAACAACAGACACATGAAGAAAAC
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 CTATTTGGATGGCTCTTTTGCAAAGTACATCCTGTTGCTATTGTGTTTGTATATTAGCAGCAATGTCAA
 TACAAGGTTTCAAGAACTGCAAAACCCAGTGGAATATTGTAGGGGAGTTTCAAGCAATTTGCCCAAGAAGA
 ACTTATAGAATGGATCAATATAGTACTAAACCAGATGCAGTGTGCGGGTGCCATGCCACGATGGCA
 AGTGTTAAGCTCTGCACTTCGCGCCATTGTGAATCATCCACATTATGAAGACGAGGCTTGAGAGCCA
 GAACAAAAATAGTATACTCAATGTATAGTCGAAAGCAGCCGAAGAAGTGAAGCGAGAACTGATAAAGTT
 AAAAGTGAATATTACATTCTAGAAGAGTCATGGTGTGAAGAAGATCCAAGCCTGGTTGCAGTATGCCT
 GAAATTTGGGATGTAGAAGATCCTGCCAATGCTGGGAAAATCCCTTATGTAACCTCTTGGTGAAGGATT
 CCAACCTCACTTCACCACTGATTCCAGAACAGTGTTTACAAAGTCTAGAAGTTGTAAGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

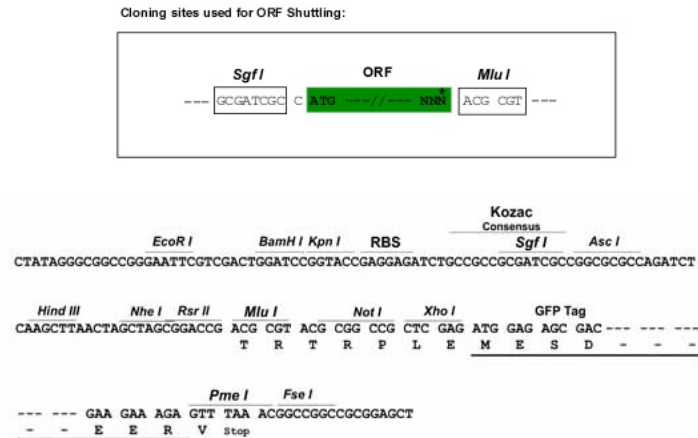
Protein Sequence: >RG221627 representing NM_015283
 Red=Cloning site Green=Tags(s)

MEGRPPPEGRPPRRPRTGRAPRRRRRAVFAVLHWSHITHLFENDRHFSHLSTLEREMAFRTEMGLYYSY
 FKTIIVEAPSFNLGVMMIMNDKLTVEPLVINTLKRNLYPEVILASWYRIYTKIMDLIGIQTKICWTVTRG
 EGLSPIESCEGLGDPACFYVAVIFILNGLMMALFFIYGTLYSGSRLGGLVTVLCFFFNHGECTRMWTPP
 LRESFSYPFLVLQMLLVTHILRATKLYRGLIALCISNVFFMLPWQFAQFVLLTQIASLFAVYVVGIDY
 CKLRKIYIHMISLALCFVLMFGNSMLLTSYYASSLVIIWILAMKPHFLKINVSELSLWVIQGCWFLFG
 TVILKYLTSKIFGIADDAHIGNLLTSKFFSYKDFDILLYTCAAEDFMEKETPLRYTKLLLPVVLVVFV
 AIVRKIISDMWGLAKQQTTHVRKHQFDHGLVYHALQLLAYTALGILIMRLKFLTPHMCVMASLICSRL
 LFGWLFCKVHPVAIVFAILAAMSIQGSANLQTQWNIVGEFSNLPQEELIEWIKYSTKPDVAFAGAMPTMA
 SVKLSALRPIVNHPHYEDAGLRARTKIVYSMSRKAEEVKRELKLVNYYILEESWCVRRSKPGCSMP
 EIWVDEDPANAGKTPLCNLLVKDSKPHFTTVFQNSVYKLEVVKE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015283

ORF Size: 2025 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

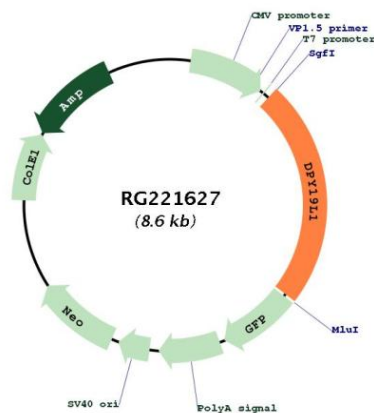
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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:	<u>NM_015283.1, NP_056098.1</u>
RefSeq Size:	4879 bp
RefSeq ORF:	2028 bp
Locus ID:	23333
UniProt ID:	<u>Q2PZII</u>
Cytogenetics:	7p14.2
Protein Families:	Transmembrane
Gene Summary:	Probable C-mannosyltransferase that mediates C-mannosylation of tryptophan residues on target proteins.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG221627