

Product datasheet for **RC221627**

DPY19L1 (NM_015283) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DPY19L1 (NM_015283) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DPY19L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC221627 representing NM_015283
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGGGCGGCCCTCCGGAAGGCCGTCGCCCCCGCGTCTCGCACCGGCCGAGCCCCGCGGGC
 GCCGAAGAGCTGTTTTGACGAGTGTTCGACTGGAGCCATATAACACACCTCTTTGAAAATGACCGTCA
 TTTTTCTCACCTCTCAACATTGGAAGGGAGATGGCTTTTCGCACTGAAATGGGACTATATTATTCTAT
 TTCAAGACTATTGTGGAAGCACCTCATTTTTGAATGGAGTATGGATGATTATGAATGATAAACTGACTG
 AATACCCCTTGTCAATTAATACATTAATAAGATTCAATCTTACCTGAGGTAATTTGGCCAGTTGGTA
 CCGGATTTATACAAAATAATGGACTTGATTGGTATTCAAACCAAGATATGTTGGACGGTACCAGAGGA
 GAAGGACTCAGTCTATTGAAAGCTGTGAAGGATTGGGAGATCCTGCTTGTCTTTATGTTGCTGTAATTT
 TTATTTAAATGGACTAATGATGGCATTATTCTCATATATGGCACATATTAAGTGGCAGCCGATTAGG
 AGGCCTGGTTACAGTGTGTGCTCTTTTTCAATCATGGAGAGTGTACCGTGTAAATGTGGACACCCT
 CTCGTAAGGCTTCTCATATCCATTTCTTGTCTTCAGATGTTGCTAGTGACTCATATTCTCAGGGCTA
 CAAAATTTATAGAGGAAGCTTGATTGCACTCTGCATTTCCAATGTATTTTTATGCTTCTTTGGCAGTT
 TGCTCAGTTTGTACTTCTTACTCAGATTGCATCATTATTTGACGATATGTTGTGCGGGTACATTGATATA
 TGTAATACGGAAGATCATTTATACACATGATTTCTTGCCTTTGTTTTGTTTGTGTTGGGA
 ACTCAATGTTATTAACCTCTTATATGCTTCTTCTTTGGTAATTTTGGGGTATTCTGGCAATGAAACC
 ACATTTCTGAAAATAAATGTATCTGAACCTAGTTTATGGGTTATTCAAGGATGTTTTGGTTATTTGGA
 ACTGTCATACTTAAACTTGACATCTAAAATTTTGGTATTGCAGATGACGCTCATATTGGCACTTAC
 TAACATCAAAATCTTTAGTTATAAGGATTTTGATACTTTATTGTATACCTGTGCAGCGGAGTTTGACTT
 TATGGAAAAAGAGACTCCACTGAGATACACAAAGACATTATTGCTTCCAGTTGTTCTTGTAGTGTGTT
 GCTATTGTTAGAAAGATTATTAGTGATATGTGGGGTGTCTTAGCTAAACAACAGACACATGAAGAAAAC
 ACCAGTTTGATCATGGAGAGCTGGTTTACCATGCATTGCAATTGTTAGCATATACAGCCCTTGGTATTTT
 AATTATGAGACTAAAATCTTCTTGACACCACACATGTGTGTTATGGCATCACTGATCTGCTCAAGACAG
 CTATTTGGATGGCTCTTTTGCAAAGTACATCCTGGTGCTATTGTGTTGCTATATTAGCAGCAATGTCAA
 TACAAGTTTCAAGCAATCTGCAAACCCAGTGGAAATTTGTAGGGGAGTTCAGCAATTTGCCCAAGAAGA
 ACTTATAGAATGGATCAAATATAGTACTAAACCAGATGCAGTGTTCGGGGTCCATGCCACGATGGCA
 AGTGTTAAGCTCTCTGCACTTCGGCCATTGTGAATCATCCACATTATGAAGACGCAGGCTTGAGAGCCA
 GAACAAAATAGTATACTCAATGTATAGTCGGAAGCAGCCGAAGAAGTGAAGCGAGAAGTATAAAGTT
 AAAAGTGAATATTACATTCTAGAAGAGTCATGGTGTGAAGAAGATCCAAGCCTGGTTGCAATGATGCT
 GAAATTTGGGATGTAGAAGATCCTGCCAATGCTGGGAAAATCCCTTATGTAACCTCTTGGTGAAGGATT
 CCAAACCTCACTTCACTGTATTCCAGAACAGTGTTCAAAAGTCTAGAAGTTGTAAGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC221627 representing NM_015283
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MEGRPPPEGRPPPRPTGRAPRRRAVFAVLHWSHITHLFENDRHFSHLSTLEREMAFRTEMGLYYSY
 FKTIVEAPSFLNGVWMIMNDKLEYPLVINTLKRFNLYPEVILASWYRIYTKIMDLIGIQTKICWTVTRG
 EGLSPIESCEGLGDPACFYVAVIFILNGLMMALFFIYGTYLGSRLGGLVTVLCFFNHGECTRMWTPP
 LRESFSYPFLVLQMLLVTHILRATKLYRGLIALCISNVFFMLPWQFAQFVLLTQIASLFAVYVVGYIDI
 CKLRKIIYIHMISLALCFVLMFGNSMLLTSYYASSLVIWIGILAMKPHFLKINVSEL SLWVIQGCFLWFG
 TVILKYLTSKIFGIADDAHIGNLLTSKFFSYKDFD TLLYTCAAEFDFMEKETPLRYTKTLLLPVVLVVFV
 AIVRKIISDMWGLAKQQTHVRKHQFDHGELVYHALQLLAYTALGILIMRLKFLTPHMCVMASLICSRQ
 LFGWLFCKVHPGAIVFAILAAMSIQGSANLQTQWNI VGEFSNLPQEELIEWIKYSTKPDVAFAGAMPTMA
 SVKLSALRPIVNHPHYEDAGLRARTKIVYSMSRKAEEVKREL IKLKVNYYILEESWCVRRSKPGCSMP
 EIWDVEDPANAGKTPLCNLLVKDSKPHFTTVFQNSVYKVLVLEVVKE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

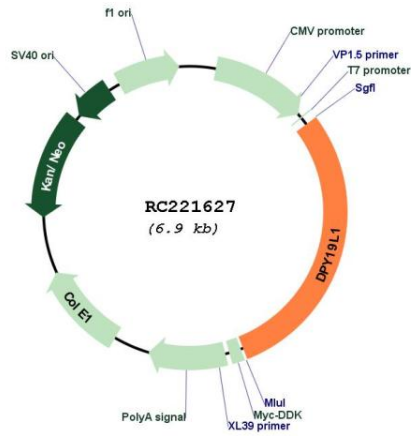


ACCN: NM_015283

ORF Size: 2025 bp

OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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_015283.1 , NP_056098.1
RefSeq Size:	4879 bp
RefSeq ORF:	2028 bp
Locus ID:	23333
UniProt ID:	Q2PZ11
Cytogenetics:	7p14.2
Protein Families:	Transmembrane
MW:	77.1 kDa
Gene Summary:	Probable C-mannosyltransferase that mediates C-mannosylation of tryptophan residues on target proteins.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC221627