

## Product datasheet for **RC211095**

### **DPY19L4 (NM\_181787) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	DPY19L4 (NM_181787) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DPY19L4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide  
Sequence:**

>RC211095 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGAGGAAGAAGGACCACCTGTAGAGCTGCGCCAAAGAAAAAGCCAAAGTCTTCAGAAAAT AAGG  
 AATCTGCCAAAGAAGAGAAAATCAGTGACATTCCAATTCCTGAAAGAGCTCCAAAACATGTATTATTCA  
 ACGCTTTGCAAAGATTTTCATTGGCTGTCTGACGCGTTACTAGTGGTATGATGTATGCTCTCTACTTA  
 TCAGCATACCATGAACGGAAATCTGGTTTTCCAACAGGCAGGAGCTTGAACGGGAAATCACGTTTCAGG  
 GTGACAGTGCCATTTACTCTATTATAAAGATATGTTAAAGGCACCTTCATTTGAAAGAGGTGTTTA  
 CGAACTGACACACAATAACAAACTGTATCTCTGAAGACTATAAATGCAGTGCAGCAAATGTCTCTGTAT  
 CCGGAACTTATTGCTAGCATTTTATATCAAGCCACTGGTAGCAATGAGATTATTGAGCCAGTGTATTTCT  
 ATATTGGCATTGTTTTGGATTGCAAGGAATATATGTTACTGCTTTATTTGTTACAAGTTGGCTTATGAG  
 TGGAACATGGCTAGCAGGAATGCTTACTGTTGCGTGGTTCGTTATTAACAGGGTAGATACAACAAGAATT  
 GAATACTCCATTCTTTAAGAGAAAAGTGGCACTACCATATTTTGCATGCCAAATTTGCTGCACTTACAG  
 GCTATTTAAAAAGCAACTTAAATACTTATGGAGAGAGGTTTTGCTACTTGTGATGAGTGCTTCACTTA  
 CACATTTATGATGATGTTGGGAGTATAGCCACTATCTCCTGTTTCTTCAAGCAATATCTCTATTCTGCTA  
 GATACCTTTTCAGTGGAGCAAAGTGACAAGGTTTATGAAGTTTATAAAATCTACATATTTCCCTCTTTC  
 TGGGATATTTACTACAGTTTGAGAATCCAGCTTGTGGTATCTCCTTTATTAAGTTTAGTAGCAGCCTT  
 AATGCTTGCTAAGTGCCTCAGCTGAATGTGAAGAAAGGAAGTTTGTAGCTAAAATAATAAAGTGATT  
 AATTTTTACTTGGTGTACTCTGACAATAACATTGAATATTATAATGAAGATGTTTGTCCACACAAAAG  
 AAAATGGGCACATGCTGAAATTCCTTGAAGTAAAATTTGGACTAAATATGACCAAGAATTTACAATGAA  
 TTGGCTCCTCTGTCAAGAATCCCTGCAGGCACCATCTCAAGATTTTTTCTGCGATTGACACAGTCTTCT  
 TTATTACCTTTCTACATTCTAGTGTAAATTATTTGTTTTCTTTCTATGTTGCAAGTTATTTTTAGGAGGA  
 TTAATGGTAAAGTCCCTGAAGGAACTGTTACTCTTGAAGATGGACGAATTGGAGAAAAGACCAGAAAATAA  
 TTATCATGTAATTCACACTATTTTATTGGGTTCTCTTGAATGGTTATAGAAGGCTTGAAGTACATCTGG  
 ATTCTTATGTGTGCATGTTAGCAGCATTGGTGTATGTTCTCCCGAAGTTGGATGACACTTTTCAAGT  
 GGCTTCGATTAAGAAGTGTACACCAATATTGTTGGCTCTATTCTGAGCATGGCCGTGCCTACTATAAT  
 AGGTCTCAGCTTATGAAAGAGTTTTTCCAGATTAATGACAGAATTAATGGAAGTACAGGAATCTAT  
 GACCCAGATACAGTGGAACTTATGACCTGGATAAAAAGGCAAGCTCCAGTTGCAGCTGTGTTGCAGGGA  
 GTCCACAGTAAATGGGTGCGATTAATTAATGCACTGGATGGATGGTACAAGTTTGCCTCTTTACAATGA  
 TGATGATCTTCTCAAGAGAAATGAAAATATCTACCAAATCTATTCAAAGCGATCTGCTGAGGATATTTAT  
 AAAACTGACATCTTACAAAGCTAATTACCTAATTGTAGAGGATGCTATCTGCAATGAGGTGGGACCCA  
 TGAGAGGCTGTAGGGTTAAAGATTTATTAGACATTGCAATGGCCACATGGTTTGTGAAGAAGGTGACAA  
 GCTAACCTACTCAAATATGGGCGATTTGTGATGAGGTCAAATTAAGTATTCTCCATATGTGAATTAT  
 TTCCTAGAGTACTGGAACAGATCTACTTTGTATATAAAATCAACACTGTGATATCCTTCCAGTCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC211095 protein sequence  
 Red=Cloning site Green=Tags(s)

MAEEEGPPVELRQRKKPKSSENKESAKEEKISDIPERAPKHVLFQRFKIFIGCLAAVTSGMMYALYL  
 SAYHERKFWFSNRQELEREITFQGDSAIYYSYKDKMLKAPSFERGVYELTHNNKTVSLKTNVAVQMSLY  
 PELIASILYQATGSNEIIEPVYFYIGIVFGLQGIYVTFVTSWLMMSGTLAGMLTVAVFVINRVDTRRI  
 EYSIPLRENWALPYFACQIAALTGYLKSNLNTYGERFCYLLMSASTYTFMMMWESHYLLFLQAIISLFL  
 DTFVSVEQSDKVYEVYKIYIFSLFLGYLLQFENPALLVSPLLSLVAALMLAKCLQLNVKKGFSVAKIKVI  
 NFYLVCTLTITLNIIMKMFVPHKENGHMLKFLEVKFGLNMTKNFTMNWLLCQESLQAPSQDFFLRITQSS  
 LLPFYILVLIICFLSMLQVIFRRINGKSLKETVLEDRIGERPEIIYHVIHTILLGSLAMVIEGLKYIW  
 IPYVCMIAAFGVCSPELWMTLFKWLRLRTVHPILLALILSMAVPTIIGLSLWKEFFPRLMTELMELQEFY  
 DPDTVELMTWIKRQAPVAAVFAGSPQLMGAIKLCTGWMVTSPLVNDLDDLLKRNENIYQIYSKRSIEDIY  
 KILTSYKANYLIVEDAICNEVGPMRGCVRKDLDDIANGHMVCEEKGLTYSKYGRFCHEVKINYSYVYVY  
 FTRVYWNRSYFVYKINTVISFQS

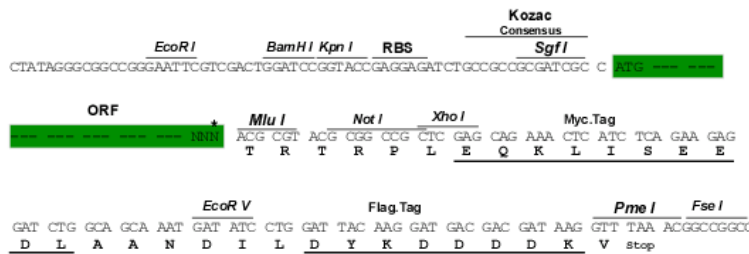
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mk6692\\_d05.zip](https://cdn.origene.com/chromatograms/mk6692_d05.zip)

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

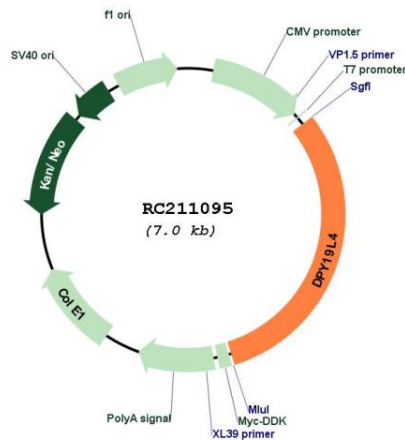
ACCN: NM\_181787

ORF Size: 2169 bp

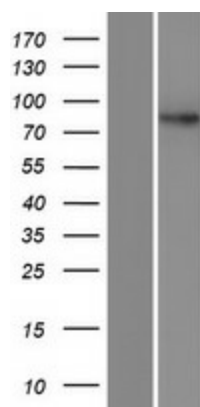
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_181787.3</a></u>
<b>RefSeq Size:</b>	6234 bp
<b>RefSeq ORF:</b>	2172 bp
<b>Locus ID:</b>	286148
<b>UniProt ID:</b>	<u><a href="#">Q7Z388</a></u>
<b>Cytogenetics:</b>	8q22.1
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	83.8 kDa
<b>Gene Summary:</b>	Probable C-mannosyltransferase that mediates C-mannosylation of tryptophan residues on target proteins.[UniProtKB/Swiss-Prot Function]

**Product images:**


Circular map for RC211095



Western blot validation of overexpression lysate (Cat# [LY405618]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211095 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).