

Product datasheet for **RG211095**

DPY19L4 (NM_181787) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DPY19L4 (NM_181787) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DPY19L4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RG211095 representing NM_181787
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGAGGAAGAAGGACCACCTGTAGAGCTGCGCCAAAGAAAAAGCCAAAGTCTTCAGAAAAT AAGG
 AATCTGCCAAAGAAGAGAAAATCAGTGACATTCCAATTCCTGAAAGAGCTCCAAAACATGTATTATTCA
 ACGCTTTGCAAAGATTTTCATTGGCTGTCTTGACGCGTTACTAGTGGTATGATGTATGCTCTCTACTTA
 TCAGCATACCATGAACGGAAATCTGGTTTTCCAACAGGCAGGAGCTTGAACGGGAAATCACGTTTCAGG
 GTGACAGTGCCATTTTACTCCTATTATAAAGATATGTTAAAGGCACCTTCATTTGAAAGAGGTGTTTA
 CGAACTGACACACAATAACAAACTGTATCTCTGAAGACTATAAATGCAGTGCAGCAAATGTCTCTGTAT
 CCGGAACTTATTGCTAGCATTTTATATCAAGCCACTGGTAGCAATGAGATTATTGAGCCAGTGTATTTCT
 ATATTGGCATTGTTTTGGATTGCAAGGAATATATGTTACTGCTTATTTGTTACAAGTTGGCTTATGAG
 TGGAACATGGCTAGCAGGAATGCTTACTGTTGCGTGGTTCGTTATTAACAGGGTAGATACAACAAGAATT
 GAATACTCCATTCTTTAAGAGAAAAGTGGCACTACCATATTTTGCATGCCAAATTTGCTGCACTTACAG
 GCTATTTAAAAAGCAACTTAAATACTTATGGAGAGAGGTTTTGCTACTTGTGATGAGTGCTTCAACTTA
 CACATTTATGATGATGTTGGGAGTATAGCCACTATCTCCTGTTTCTTCAAGCAATATCTCTATTCTGCTA
 GATACCTTTTTCAGTGGAGCAAAGTGACAAGGTTTATGAAGTTTATAAAATCTACATATTTCCCTCTTTC
 TGGGATATTTACTACAGTTTGAAGTCCAGCTTGTGGTATCTCCTTTATTAAGTTTAGTAGCAGCCTT
 AATGCTTGCTAAGTGCCTCAGCTGAATGTGAAGAAAGGAAGTTTGTAGCTAAAATAATAAAGTGATT
 AATTTTTACTTGGTGTACTCTGACAATAACATTGAATATTATAATGAAGATGTTTGTCCACACAAAAG
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 TTGGCTCCTCTGTCAAGAATCCCTGCAGGCACCATCTCAAGATTTTTTCTGCGATTGACACAGTCTTCT
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 TTAATGGTAAAGTCCCTGAAGGAACTGTTACTCTTGAAGATGGACGAATTGGAGAAAAGACCAGAAAATAAT
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 ATTCTTATGTGTGCATGTTAGCAGCATTGGTGTATGTTCTCCCGAAGTTGGATGACACTTTTCAAGT
 GGCTTCGATTAAGAAGTGTACACCCAATATTGTTGGCTCTTATTCTGAGCATGGCCGTGCCTACTATAAT
 AGGTCTCAGCTTATGAAAGAGTTTTTCCAGATTAATGACAGAATTAATGGAAGTACAGGAATCTAT
 GACCCAGATACAGTGGAACTTATGACCTGGATAAAAAGGCAAGCTCCAGTTGCAGCTGTGTTGCAGGGA
 GTCCACAGTTAATGGGTGCGATTAATTAATGCACTGGATGGATGGTACAAGTTTGCCTCTTTACAATGA
 TGATGATCTTCTCAAGAGAAATGAAAATATCTACCAAATCTATTCAAAGCGATCTGCTGAGGATATTTAT
 AAAATACTGACATCTTACAAAGCTAATTACCTAATTGTAGAGGATGCTATCTGCAATGAGGTGGGACCCA
 TGAGAGGCTGTAGGGTTAAAGATTTATTAGACATTGCAATGGCCACATGGTTTGTGAAGAAGGTGACAA
 GCTAACCTACTCAAATATGGGCGATTTTGTATGAGGTCAAATTAAGTATTCTCCATATGTGAATTAT
 TTCCTAGAGTATACTGGAACAGATCCTACTTTGTATATAAATCAACACTGTGATATCCTTCCAGTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG211095 representing NM_181787
 Red=Cloning site Green=Tags(s)

MAEEEGPPVELRQRKKPKSSENKESAKEEKISDIPERAPKHVLFQRFKIFIGCLAAVTSGMMYALYL
 SAYHERKFWFSNRQELEREITFQGDSAIYYSYKDKMLKAPSFERGVYELTHNNKTVSLKTINAVQQMSLY
 PELIASILYQATGSNEIIEPVYFYIGIVFGLQGIYVTALFVTSWLMSTWLAGMLTVAWFVINRVDTTTRI
 EYSIPLRENWALPYFACQIAAL TGYLKS NLNTYGERFCYLLMSASTYTFMMWWEYSHYLLFLQAI SLFLL
 DTF SVEQSDKVYEVYKIYIFSLFLGYLLQFENPALLVSPLLSLVAALMLAKCLQLNVKKG SFVAKI IKVI
 NFYLVCTLTITLNIIMKMFVPHKENGHMLKFLEVKFGLNMTKNFTMNWLLCQESLQAPSQDFFRLTQSS
 LLPFYILVLIICFLSMLQVIFRRINGKSLKETVLTEDGRIGERPEIYHYIHTILLGSLAMVIEGLKYIW
 IPYVCM LAAFVGCSPELWMTLFKWLRLRTVHPILLALILSMAVPTIIGLSLWKEFFPRLMTELMELQEFY
 DPDTVELMTWIKRQAPVA AVFAGSPQLMGAIKLCTGWMVTSPL YNDDDLLKRNIYQIYSKRSAEDIY
 KILTSYKANYLIVEDAICNEVGPMRGCVRKDLLDIANGHMVCEE GDKL TYSKYGRFCHEVKINYSYVYNY
 FTRVYWNRSYFVYKINTVISFQS

TRTRPLE - GFP Tag - V

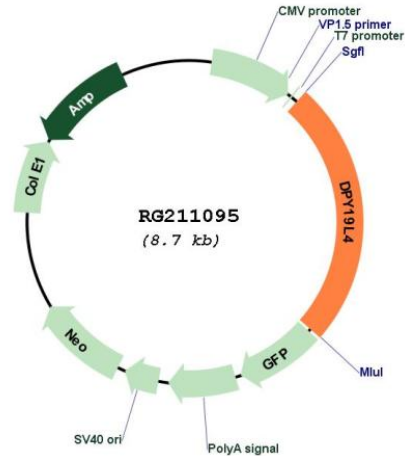
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



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.

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.

RefSeq: [NM_181787.3](#)

RefSeq Size: 4204 bp

RefSeq ORF:	2172 bp
Locus ID:	286148
UniProt ID:	<u>Q7Z388</u>
Cytogenetics:	8q22.1
Protein Families:	Transmembrane
Gene Summary:	Probable C-mannosyltransferase that mediates C-mannosylation of tryptophan residues on target proteins.[UniProtKB/Swiss-Prot Function]