

Product datasheet for **RG230454**

DPY19L3 (NM_001172774) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DPY19L3 (NM_001172774) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DPY19L3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG230454 representing NM_001172774
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGATGTCCATCCGGCAAAGAAGAGAAATAAGAGCCACAGAAGTTTCTGAAGACTTTCCAGCCCAAGAAG
 AAAATGTGAAGTTGGAAAATAAATTGCCATCTGGTTGTACCAAGTAGAAGATTATGGAAGATTTTGTCAAT
 GACAATTGGTGAACCATTCGCCCTTTGCATTGGACTTCTTACATCTGTCTACCTGCCACGTTACATGAA
 AATGATTTATGGTTTTCTAATATTAAGGAAGTGGAGCGAGAAATCTCATTGAGACAGAGTGTGGCCTGT
 ATTACTCTACTACAAGCAGATGCTGCAGGCTCCAACCCTCGTGAAGGTTTTTCATGGCCTAATATATGA
 TAATAAACTGAATCTATGAAGACAATTAACCTCCTTCAGCGAATGAATATTTACCAAGAGGTTTTTCTC
 AGTATTTTATATAGATTCTACCCATACAGAAATATTTAGAGCCAGTTTATTTTATATTTACACCTTAT
 TTGGGCTCCAGGCGATCTATGTACAGCTCTCTACATAACCAGCTGGCTACTCAGTGGTACATGGCTGTC
 AGGACTGTTGGCAGCTTTCTGGTATGTCAAAATAGAATAGATACCACAAGAGTTGAGTTTACCATCCCA
 CTGAGGGAGAAGTGGGCGCTGCCATTCTTTGCAATTTCAGATAGCAGCAATTACATATTTCTGAGACCAA
 ACTTACAGCCTCTTTCTGAAAGGCTGACACTTCTTGCCATTTTTCATATCAACTTTTCTCTTTAGTCTGAC
 ATGGCAATTTAATCAATTTATGATGCTGATGCAAGCATTAGTGCTGTTTCACTGGACTCCCTGGACATG
 CTGCCAGCAGTGAAGGCGACATGGCTGTATGGAATACAGATAACAAGTTTACTCCTGGTCTGCATTCTTC
 AGTTTTTTAATTCATGATTCTTGGATCACTGCTTATCAGTTTAACTTTTCACTATTTCATTGCAAGAAA
 ACTTCAGAAAAATCTGAAAAGTGAAGCTTCTTAATAGGCTTGGGAACTTTTGTACATTTATTTATG
 GTTTTATGTTTGACACTTTTCTCAACAACATAATTAAGAAAATCTTAACCTGAAGTCAGATGAACACA
 TATTTAAATTTCTGAAGCAAAATTTGGGCTTGGAGCAACAAGGATTTTGATGCAAACTCTATCTGTG
 TGAAGAAGCTTTTGGCCTCCTGCCTTTTAATACATTTGGAAGGCTTTTCAGATACTCTGCTTTTTTATGCT
 TACATATTCGTTCTGTCCATCACAGTGATTGTAGCATTGTTGTTGCCTTTCATAATCTCAGTGATTCTA
 CAAATCAACAATCCGTGGGTAAATGAAAAAGGCACAGTTGACCTGAAACCAGAAAAGCTCTACAACCT
 AATACATACCATTCTGTTTGGATTCTTGGCATTGAGTACAATGAGAATGAAGTACCTCTGGACGTCACAC
 ATGTGTGTGTTTCGCATCATTTCGGCCTATGTAGCCCTGAAATATGGGAGTTACTTCTGAAGTCAGTCCATC
 TTTATAACCCAAAGAGGATATGTATAATGCGATATTCAGTACCGATTAATACTGCTGTATCTATGCTA
 TAAGTTCTGGCCAGGAATGATGGATGAAGTCTCCGAGTTGAGAGAATTCTATGATCCAGATACAGTGGAG
 CTGATGAAGTGGATTAACCTAACACTCCAAGAAAGGCTGTGTTTGGGGAAGCATGCAGTTGCTGGCCG
 GAGTCAAGCTGTGCACGGGAAGGACCCTAACCAACCAACCGCACTATGAAGACAGCAGCCTGAGAGAGCG
 GACCAGAGCGGTTTATCAGATATATGCCAAGAGGGCACCAGAGGAAGTGCATGCCCTCCTAAGGTCTTC
 GGCAGTACTACGTAATCCTGGAAGACAGCATCTGCTACGAGCGGAGGCACCGCCGGGGCTGCCGACTCC
 GGGACCTGCTGGACATTGCCAACGGCCACATGATGGATGGCCAGGAGAGAATGATCCTGATTTGAAACC
 TGCAGACCACCTCGCTTCTGTGAAGAGATCAAAAGAACTGCCTCCCTACGTGGCCTACTTCACCAGA
 GTGTTCCAGAACAAAACCTTCCACGTTTACAAGCTGTCCAGAAACAAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG230454 representing NM_001172774
 Red=Cloning site Green=Tags(s)

MMSIRQRREIRATEVSEDFPAQEENVKLENKLPSGCTSRRLWKILSLTIGGTIALCIGLLTSVYLATLHE
 NDLWFSNIKEVEREISFRTECGLYSYYKQMLQAPTLVQGFHGLIYDNKTESMKTINLLQRMNIYQEVFL
 SILYRVLPIQKYLEPVYFYIYTLFGLQAIYVTALYITSWLLSGTWLSGLLAFFWYVTNRIDTTRVEFTIP
 LRENWALPFFAIQIAAITYFLRPNLQPLSERLTLLAIFISTFLFSLTWQFNQFMMLQALVLFTLDSLDM
 LPAVKATWLYGIQITSLLLVCILQFFNSMILGSLLSFNLVFIARKLQKNLKTGSFLNRLGKLLHLFM
 VLCLTLFLNIIKKILNLKSDEHIFKFLKAKFGLGATRDFDANLYLCEEAFGLLPFNTFGRLSDTLLFYA
 YIFVLSITVIVAFVFAHNLSDSTNQSVGKMEKGTVDLPETAYNLHTILFGFLALSTMRMKYLWTS
 MCVFASFGLCSPEIWELLKSVHLYNPKRICIMRYSVPILILLCYKFWPGMMDELSELREFYDPDVE
 LMNWINSTPRKAVFAGSMQLLAGVKLCTGRTL TNHPHYEDSSLRERTRAVYQIYAKRAPEEVHALLRSF
 GTDYVILEDSICYERRHRRGCRLRDLLDIANGHMMDGPGENDPDLKPADHPRFCEEIKRNLPPYVAYFTR
 VFQNKTFHVKLSRNK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001172774

ORF Size: 2148 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_001172774.2](#)

RefSeq Size: 6018 bp

RefSeq ORF: 2151 bp

Locus ID: 147991

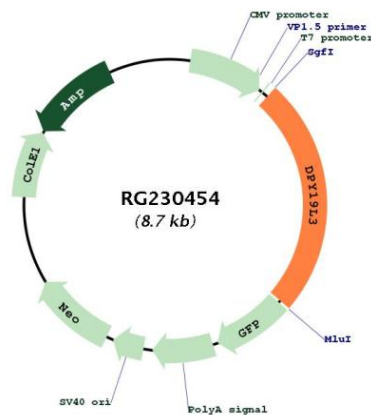
UniProt ID: [Q6ZPD9](#)

Cytogenetics: 19q13.11

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 RG230454