

Product datasheet for **MG217568**

Dpy19l4 (NM_001081201) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dpy19l4 (NM_001081201) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dpy19l4
Synonyms:	Gm1023; Narg3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG217568 representing NM_001081201
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAAAGGAAGAAGGAACATCTGTAGAACCCTGCCAAAGGAAAAAGCAAAGAAGCTTCAGGAAGTCAGG
AAGCCAAAGCAGAGAAGATCCGCAGAACCCTCAGCTCCTGAAAGAGCTCCAAAATATGTGTCAATTTCAACG
TTTTGCAAAGATCGTCATTGGCTGTCTCGCAGCCGTTATTAGTGGTATGATGCATGTTTTCTACTTGTCA
GCTTACCATGAACGGAATTTCTGGTTTTCCAACAGGCAGGAGCTCGAGCGAGAGATCACCTTCCAGGGAG
ACAGCGCTATTTACTACTCCTACTATAAAGACATGCTGAAGGCGCCGTCATTCGAGAGAGGTGTTTATGA
GCTGACGCACAATAACAAAACCATCTCCCTGAAGACTATCAACGCCATGCAACAGATGTCTTTGTACCCA
GAATTATTGCCAGTGTCTCTATCAAGCAACTGGCAGCAATGAAGTGATCGAACAGTGTATTTCTACA
TTGGCATTGTGTTGGATTACAAGGAATGTATGTCACGGCTTTGTTTGTACAAGTTGGCTTATGAGTGG
CACGTGGCTAGCAGGGATGCTTACTGTTGCGTGGTTCCTAATTAACAGGGTGGACACAACAAGAATCGAG
TACTCCATTCTTTAAGAGAAAAGTGGGCTCTACCGTATTTTGCATGCCAAGTTGCTGCACCTTACAGGCT
ATTTAAAAAGAAATCTAAATACTTATGCAGAGAGGTTTTGCTACCTGTTGCTGAGTACCTCGACGTACAC
TTTCATGATGGTGTGGGAGTACAGCCACTACGTCTTGTTCCTTCCAGGCAGTATCCCTGCTGCTGCTAGAT
ATCTTCTCAGTGGAAACAAAGTGACAAGGTTTATGAAGTATATAAAGTCTACATATTTTCTCTTCTTCTT
GGTATTTACTACAGTTTGAGAATCCAGCTTTATTGGTGTCTCCTTTATTAAGTTTAGTAGGAGCGTTCAT
GCTTGTAAAGTGCCTTCCAGCTGAATGGGAAAAAGGAACCTTTGTGGCTAAAGTAATCAAAGTGTGAG
TTTTACTTGTATGTACCCTGCCGTGACCTTGAATCTTATAGTGAAGATGTTTGTCCCACACAAAGAAA
ATGAGCATGTGCTGAAATTTCTGAAGTCAAATTTGGACTAAATATGACTAAGAATTTCACTGAAGTGC
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TTGCCATTCTATGTTTTAGTGTTAATTATTTGTCTTCTTCTATGACACAAGTCTTTTTTAGAAGGATGA
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TCATGTAATTCACACTCTGTTGCTGGGCTCTTGGCATGCTTATGGAAGGCTTGAATTCATTTGGACT
CCTTATGTGTGCATGTTGGCAGCGTTGGTGTATGTTCCCCGAAGTGGATGACACTTTTAAAGTGGC
TTCGATTAAGAACTGTACACCAATGTTGTTGGCTCTTATTCTGAGCATGGCGGTACCCACTATTATAGG
TCTTAGTTTATGGAAGAGTTTTTCCACGATTAATTACAGAATTAACAGAACTACAGGAATTCATGAT
CCAGATACAGTGGAACTTATGACCTGGATAAAGAGGCAAGCTCCAGTTGCAGCTGTGTTCCGAGGAAGCC
CACAGTTGATGGGTGTGATTAAGCTGTGTACTGGTGGACAGTGACAAGCCTGCCACTTTACAGCGATGA
TGACCTGCTCCAGAGAAATGAAAATATTTACCAATCTATTCAAAGCGATCTGCTGAGGATATTTATAAA
ATCCTGACATCTTATAAAGCTAACTACCTAATTGTAGAAGATGCCATCTGCAATGAGCTGGGAACCCAG
GAGGCTGTCCGGTTAAAGACTTACTAGATTTGCAAAATGGACATGTGGTTTTCGAAGAAGGTGACAAAT
AACCTATTCAAAATATGGACGATTTTGTGATGAGGTCAAATTAATCTCCATATGTGAATTAATTC
ACTAGAGTATACTGGAACAGATCCTACTTTGTATATAAAGTCAACACTGTGATTTCTTCCAATCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG217568 representing NM_001081201
 Red=Cloning site Green=Tags(s)

MAKEEGTSVEPRQRKKQRTSGSQEAKAEKIR RTPAPERAPKYVSFQRFKIVIGCLAAVISGMMHVFYLS
 AYHERKFWFSNRQELEREITFQGDSAIYYSYKDKMLKAPSFERGVYELTHNNKTI SLKTINAMQQMSLYP
 ELIASVLYQATGSNEVIEPVYFYIGIVFGLQGMVYVTLFVTSWLSMGTWLAGMLTVAWFLINRVDTRIE
 YSIPLRENWALPYFACQVAAL TGYLKRNLNTYAERFCYLLSTSTYTFMMVWEYSHYVFLQAVSLLLLLD
 IFSVEQSDKVVEYKVIYIFSLFLGYLLQFENPALLVSPLLSLVGAFMLVKCLQLNGKKGTFVAKVIKVE
 FYLLCTLPVTLNLIVKMFVPHKENEHVLKFLVVKFGLNMTKNFTLNWLLCQESLQAPSQDFFRRLTQSSL
 LPFYVLVLIICLLSMTQVFFRRMSGKSKKETVTLLEDGRIGERPEIYHVHITLLGLSAMLMEGLKFIWT
 PYVCMLAAGVCSPELWMTLLKWLRLRVTVHPMLLALILSMAVPTIIGLSLWKEFFPRLITELTELQEFYD
 PDTVELMTWIKRQAPVAAVFAGSPQLMGVIKLCGTGWTVTSPLYSDDLLQRNENIYQIYSKRS AEDIYK
 ILTSYKANYLIVEDAICNELGTRGRVKDLDDIANGHVVFEEGDKL TYSKYGRFCHEVKINYSYVNYF
 TRVYWNRSYFVYKVNTVISFQS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001081201

ORF Size: 2166 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_001081201.1](#), [NP_001074670.1](#)

RefSeq Size: 2984 bp

RefSeq ORF: 2169 bp

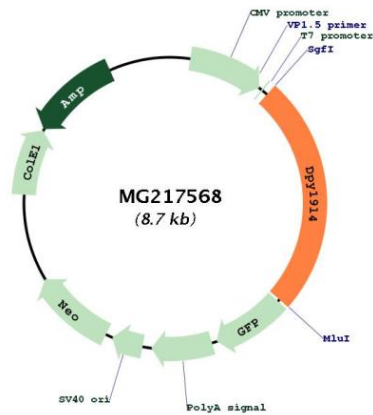
Locus ID: 381510

UniProt ID: [A2AIQ3](#)

Cytogenetics: 4

Gene Summary: Probable C-mannosyltransferase that mediates C-mannosylation of tryptophan residues on target proteins.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG217568