

Product datasheet for **MG223615**

Pde4b (NM_001177981) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde4b (NM_001177981) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pde4b
Synonyms:	Dpde4; dunce; R74983
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG223615 representing NM_001177981
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCTGAGGCAAACATTTATTATCTGTTTCTGGGGTTATATCAAGTTCAAAAGGATGCTGAACCGGG
 AGCTGACACACCTCTCAGAGATGAGCAGATCAGGGAACCAAGTGTCTGAGTACATTTCAAACACGTTCTT
 AGACAAGCAGAACGATGTGGAAATCCCATCTCCCACGCAGAAGGACAGGGAGAAGAAGAAGCAGCAG
 CTCATGACCCAGATAAGTGGAGTGAAGAACTGATGCACAGCTCAAGCCTGAACAACACAAGCATCTCAC
 GCTTCGGAGTCAACACGGAAAAATGAGGATCATCTAGCCAAGGAGCTGGAAGACCTGAACAAATGGGGCCT
 TAACATCTTCAATGTGGCTGGTACTCACATAATCGGCCCTTACGTGCATCATGTATGCAATATCCAG
 GAAAGAGACCTTCTGAAGACGTTAAAAATCTCATCTGACACCTTTGTAACCTACATGACTTTAGAAG
 ACCATTACCATTCTGATGTGGCATATCACACAGCCTGCATGCTGCTGACGTGGCCAGTCAACTCACGT
 TCTCCTTCTACGCCGGCACTGGATGCTGTCTTACAGACCTGGAATCCTGGCTGCCATTTTTGCAGCT
 GCCATCCATGATGTCGATCATCCTGGAGTCTCCAATCAGTTTCTCATCAATACAAATCTGAACTTGCTT
 TGATGTATAATGATGAATCTGTTCTGGAAAACCATCACCTTGCTGTGGGATTCAAATTGCTACAAGAGGA
 ACACTGCGACATCTTTCAGAATCTTACCAAGAAGCAACGCCAGACACTCAGGAAAATGGTGATTGACATG
 GTGTTGGCAACTGATATGTCCAAACACATGAGCCTCCTGGCAGACCTTAAAACAATGGTAGAAAACCAAGA
 AGGTGACAAGCTCCGGTGTCTCCTCCTGGACAATACTGACCGGATACAGGTTCTTCGCAACATGGT
 ACACTGTGCAGACCTGAGCAACCCACCAAGTCTTGGAAATGTATCGGCAATGGACCGATCGTATCATG
 GAGGAGTTTTCCAGCAGGGAGACAAAGAACCGGAGAGGGGAATGGAGATTAGCCCAATGTGTGATAAGC
 ACACAGCTTCTGTGAAAAATCCCAGTTGGTTTCATTGACTACATTGTCCATCCACTGTGGGAGACCTG
 GGCAGACCTGGTTCAACCGGATGCTCAAGATATTCTGGATACACTAGAAGATAACAGGAACCTGGTACCAG
 AGTATGATACCCAGAGCCCTTCCCGCCACTGGATGAGAGGAGCAGGGACTGCCAAGGCCTGATGGAGA
 AGTTTTAGTTGAACTGACCCCTTGGGAAGAGGATTCTGAGGGACCGAAAAGGAGGGAGAAGGCCACAG
 CTATTTACAGCAGCACAAGACGCTTTGTGTGATTGATCCAGAGAACAGGGATTCTCTGGAAGAGACTGAC
 ATAGACATTGCAACAGAAGACAAGTCTCCGATCGACACA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG223615 representing NM_001177981
 Red=Cloning site Green=Tags(s)

MPEANYLLSVSWGVIKFRMLNRELTHLSEMSRSGNQVSEYISNTFLDKQNDVEIPSPTQKDREKKKKQQ
 LMTQISGVKMLMHSSSLNNTSISRFGVNTENEDHLAKELEDLNKWLNI FNVAGYSHNRPLTCIMYAI FQ
 ERDLLKTFKISSDTFVTYMMTLEDHYHSDVAYHNSLHAADVAQSTHVLLSTPALDAVFTDLEILAAIFAA
 AIHVDVHPGVSNQFLINTNSELALMYNDESVLENHHLAVGFKLLQEEHCDFQNLTKKQRQTLRKMVIDM
 VLATDMSKHMSLLADLTKMVETKVTSSGVLLLDNYTDRIQVLRNMVHCADLSNPTKSLELYRQWTDRI M
 EEFFQQGDKERERGMEISPMCDKHTASVEKSQVGFIDYIVHPLWETWADLVQPD AQDILDLEDNRN WYQ
 SMIPQSPSPPLDERSRDCQGLMEKFQFELTLEEEDSEGPEKEGEGHSYFSSTKTL CVIDPENRDSLEETD
 IDIATEDKSPIDT

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001177981

ORF Size: 1509 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_001177981.1](#), [NP_001171452.1](#)

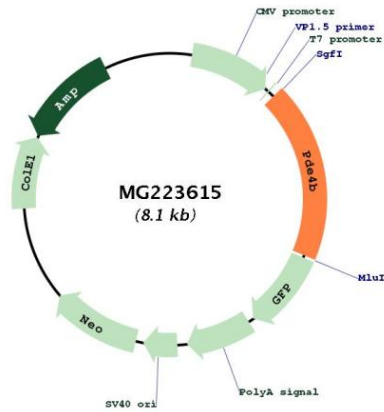
RefSeq Size: 3746 bp

RefSeq ORF: 1512 bp

Locus ID: 18578

Cytogenetics: 4 46.99 cM

Product images:



Circular map for MG223615