

Product datasheet for **MG224451**

Pde4b (NM_001177983) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde4b (NM_001177983) 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)
ORF Nucleotide Sequence:	>MG224451 representing NM_001177983 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAGCAAAAATTCTCCAAAAGAATTTACTGCTTCGGAATCTGAGGTTTGCATAAAGACTTTCAAGG
AGCAGATGCGCTTGAACCTTGAGCTTCCAAAGCTACCAGGAAACAGACCTACATCTCCAAAATTTCTCC
ACGCAGTTCACCAAGGAATTCACCATGCTTTTTTCAGAAAGTTGCTGGTGAATAAAAGCATCCGACAGCGG
CGTCGCTTACGGTGGCTCATACTGCTTTGATGTGAAAATGGCCCTTCTCCAGGTCGGAGCCCACTGG
ACCCTCAAGCCGGCTCTTCGTCGGGACTGGTACTTCATGCCGCCCTTCTCCAGGTCGGAGCCCACTGG
GTGTTTCTCTACAGATCTGACAGCGACTATGACTTGTACCAAAAGCGATGTCCAGGAACCTCATCACTT
CCCAGTGAGCAACACGGCGATGACCTGATTGTCACTCCTTTTGCCAGGTTCTTGCCAGCTTGCGAAGTG
TAAGAAACAACCTCACCTGCTGACGAACCTTCATGGAGCGCCGAACAAGAGGTCACCAGCGGCTAGTCA
GGCTCCAGTCTCCAGAGTCAGCCTGCAAGTGTGCGACCACAGGAGACTGACGAAATGCAGAGAGAGCAAG
AGATGC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224451 representing NM_001177983
 Red=Cloning site Green=Tags(s)

MTAKNSPKFTASESEVCIKTFKEQMRLELELPKLPGNRPTSPKISPRSSPRNSPCFFRKLKLVNKSIRQR
 RRFTVAHTCFDVENGPSPGRSPLDPQAGSSSLVLHAAFPGHSQRRESFLYRSDSDYDLSPKAMSRNSSL
 PSEQHGDDLIVTPFAQVLASLRVSRNNTLLTNLHGAPNKRSPAASQAPVSRVSLQVCDHRRLTKCRESK
 RC

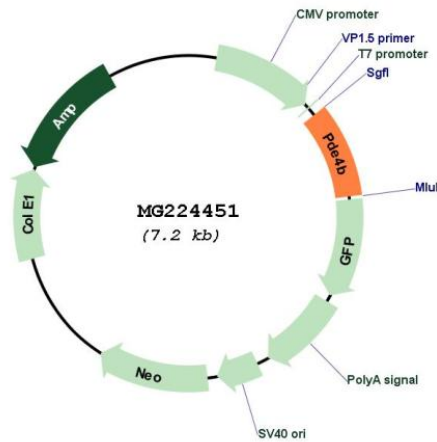
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001177983

ORF Size: 636 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:	<ol style="list-style-type: none">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_001177983.1 , NP_001171454.1
RefSeq Size:	1374 bp
RefSeq ORF:	639 bp
Locus ID:	18578
Cytogenetics:	4 46.99 cM