

Product datasheet for **MR215051**

Pde8b (NM_001170669) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde8b (NM_001170669) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pde8b
Synonyms:	B230331L10Rik; C030047E14Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR215051 representing NM_001170669
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCTGCGCCCCAGCATCCATGTCTCGCAGAGCGGTGTGATCTACTGCCGGGACTCGGATGAGTCCA
 ACTCGCCCCGCCAGACCAGCAGCGTGTTCGACAGGGCCCCACGGCGCCCTGCACGGCTCTTCGTGCAGAC
 CGACGCCGCCAGCCATGCCCCGAGTCGCGCGGGGACCCCCGGGGCTGTCCGAGTCCGCAGATCC
 CGGGCTGAACTGGGCAGCGGCAGCAGCAGGGGTCTCGGGCCCCGCCACGACCCTGCCGGGGCCGGA
 GGCGCCACTGCTGCAGCAGCGCCGAGGCCAGACTAGCTACACCAGCGTCAAGCAGGTGTCTTC
 TGCAGAGGTGCGCATTGGGCCATGAGACTGACACAGGACCCTATCCAGGTTCTGCTAATCTTCGCAAAG
 GAAGATAGCCAGAGTGATGGCTTCTGGTGGCCTGTGACAGAGCTGGCTACAGATGCAACATCGCTCGCA
 CTCAGAGTCCGCCCTCGAGTGTCTTCGGACAAGCATCATGAAATTATTGTGATCGATCACAGGCAGAG
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 TCAACCGGAGATTTATGGAGAACAGCAGCATAATTGCTTGCTATAATGAACTGATTCAAATAGAACACGG
 GGAAGTTCGCTCACAGTTCAAATTACGGGCCTGTAATTCAGTGTTTACAGCGTTAGACCACTGTCACGAA
 GCCATAGAAAATAACAAGTGATGACCATGTGATTCAGATTCACCGGATTCATCGTGACTCCGGGGACAAC
 CTCAGACAGAGCCTATTCGTTCCAGACACAAGAGCAGGAGGAAAGAGTCCATTGATGTGAAATCAATATC
 TTCTCGGGCAGTGATGCGCCAAGCCTACAGAATCGCCGCTACCCCTCCATGGCCAGGATCCACTCCATG
 ACCATTGAGGCTCCCATCACAAGGTTATAAATAATCAATGCAGCTCAGGAGAACAGCCCAAGTTACAG
 TAGCAGAGGCCTTGGACAGAGTCTAGAAATTTACGGACCACAGAAGTATTCCCTCAGTGGGAAC
 CAAAGATGAGGATCCCCACACAGTACCTTGTGGGGCCTGATGACTGATGGCTTGAGGAGACTGTCA
 GGAACAGAGTATGTGTTTACAAAGAATGTGACACACAGTCACAGTCACCTCTCGATGCCATCACCATCA
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 GAATTTTTAAACTGTAAGTAAACCCTTTCGGGCCTGGCTGCAAGTGATTGAAGCCAACCTACCCTCT
 CCAACGCCTACCACAACCTCACCCATGCTGCCGATGACTGCATGCCACGGCTTCTCTCTGAAAGGA
 AAGAGTGAAGGAAGCCTGGACCAGCTGGATGAGGTGGCTGCTCTGATTGCTGCCACAGTCCACGACGTG
 GATCACCCCGGAAGGACCAACTTTCTGTGCAACGCCGCGCAGCGAGCTCGCTGTGCTCTACAATGACA
 CTGCAGTCTTGAGAGTCAACACACAGCCCTGGCCTTCCAGCTCACAGTCAAGGACCAAGTGCAACAT
 TTTCAAGAATATTGACAGGAACCACTATCGAACGCTGCGCCAGGCTATTATCGACATGGTTTTGGCTACA
 GAGATGACAAAACACTTCGAGCAGTGAACAAATTCGTGAACAGCATCAACAAGCCACTGGCAGCTGAGA
 GTGAGGGCAGTGATTGTGAATGCAACCCTACCGGAAGAAGTCTTCTGAGAACCAAACTCATCAAACG
 CATGATGATTAAGTGTCCGACGTGGCCAACCCGTGCCGGCCCTTGACCTGTGCATTGAATGGGCTGGA
 AGGATCTCCGAGGAGTACTTTGCTCAGACTGATGAAGAGAAGAGGAGGGGCTGCCTGTGGTGATGCCAG
 GTTTCGACCGCAATACCTGCAGCATCCCCAAGTCCCAGATCTCCTTCATCGACTACTTCATAACAGACAT
 GTTTGATGCTTGGGATGCCTTCGCTCACCTGCCTGCCCTGATGCAGCACCTGGCCGATAACTATAAACAC
 TGAAGACACTGGATGACCTCAAGTGCAAAACTCTGAGACTTCCATCTGACAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR215051 representing NM_001170669
Red=Cloning site Green=Tags(s)

MGCAPSIHVSQSGVIYCRDSESNsprQTSSVSQGPTAPLHGLFVQTDAADAMPPSRAAGPPGAVRVRRS
RAELGSGSSTGSSGPATTTCRGRRRHCCSSAEAEQTSYTSVKQVSSAEVRIGPMRLTQDPIQVLLIFAK
EDSQSDGFWWACDRAGYRCNIARTPESALECFLDKHHEIIVIDHRQSRNFDAEAVCRSIRATNPSEHTVI
LAVVSQASDDHEEASVLP LLHAGFNRRFMENSSIIACYNELIQIEHGEVRSQFKLRACNSVFTALDHCHE
AIEITSDDHVIQIHRIDRSDGNSQTEPHSFRHKSRKESIDVKSISRRGSDAPSLQNRYPsmARIHSM
TIEAPITKVINIINAAQENSPVTVAEALDRVLEILRTTELYSPQLGKDEDPHTSdlVGGMLTDGLRRLS
GNEYVFTKNVHSHSHLSMPITINDVPPSIAQLLDNEESWDFNIFELEAVTHKRPLVYLGLKVF SRFGVC
EFLNCTETTLRAWLQVIEANYHSSNAYHNSTHAADV LHATAFFLGKERVKGSLDQLDEVAALIAATVHDV
DHPGRTNSFLCNAGSELAVLYNDTAVLESHHTALAFQLTVKDTKCNI FKNIDRNHYRTL RQAIIDMVLAT
EMTKHFEHVNFVNSINKPLAAESEGSDCENPTGKNFPENQILIKRMMIKCADVANPCRPLDLCIEWAG
RISEEFYAQTDEEKRQGLPVVMPVDFDRNTCSIPKSQISFIDYFITDMFDAWDAFAHLPALMQHLADNYKH
WKTLDLCKCTLRLPSDS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9103_f08.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001170669

ORF Size: 2364 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_001170669.1, NP_001164140.1

RefSeq Size: 4619 bp

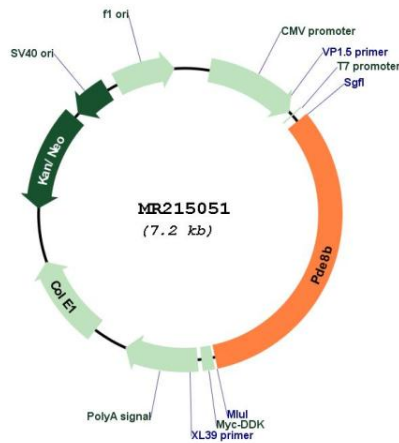
RefSeq ORF: 2367 bp

Locus ID: 218461

Cytogenetics: 13 D1

MW: 88 kDa

Product images:



Circular map for MR215051