

Product datasheet for **MR210337**

Pde8b (NM_172263) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde8b (NM_172263) 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:

>MR210337 representing NM_172263
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCAGCAGCAGAGCGTGCGCCAGGTGTCTTCTGCAGAGGTGCGCATTGGGCCCATGAGACTGACAC
 AGGACCCATCCAGGTTCTGCTAATCTTCGCAAAGGAAGATAGCCAGAGTGATGGCTTCTGGTGGGCCTG
 TGACAGAGCTGGCTACAGATGCAACATCGCTCGCACTCCAGAGTCGGCCCTCGAGTGCTTCTGGACAAG
 CATCATGAAATTATTGTGATCGATCACAGGCAGAGCCGGAACCTTGATGCAGAAGCCGTGTGCAGGTCAA
 TCCGGGCCACGAACCCCTCTGAGCACACGGTGATCCTGGCTGTCGTTTACAAGCATCTGATGACCATGA
 AGAGGCCCTCAGTCCTTCTCTTTCATGCAGGCTTCAACCGGAGATTTATGGAGAACAGCAGCATAATT
 GCTTGCTATAATGAAGTATTCAAATAGAACACGGGGAAGTTCGCTCACAGTTCAAATTACGGCCCTGTA
 ATTCAGTGTTTACAGCGTTAGACCACTGTCACGAAGCCATAGAAAACAAGTGATGACCATGTGATTCA
 GTATGTCAACCCGCTTTGAGAGGATGATGGGCTACCACAAAGGGGAGCTCCTGGGAAGGAACTCGCT
 GACCTACCTAAGAGTGACAAGAACCAGGACAGCTCCTGGACACCATCAACACGTGCATCAAGAAGGGAA
 AGATTCACCGGATTCATCGTGACTCCGGGGACAACCTCTCAGACAGAGCCTCATTCTGTTGAGACACAGAG
 CAGGAGGAAAGAGTCCATTGATGTGAAATCAATATCTTCTCGGGGCGAGTATGCGCCAAGCCTACAGAAT
 CGCCGCTACCCCTCCATGGCCAGGATCCACTCCATGACCATGAGGCTCCCATCACAAGGTTATAAATA
 TAATCAATGCAGCTCAGGAGAACAGCCAGTTACAGTAGCAGAGGCCCTGGACAGAGTCCTAGAAATTTT
 ACGGACCACAGAAGTGTATCCCTCAGCTGGGAACCAAGATGAGGATCCCCACACCAAGTACCTTGT
 GGGGCCCTGATGACTGATGGCTTGAGGAGACTGTCAGGGAACGAGTATGTGTTTACAAGAATGTGCACC
 ACAGTCACAGTCACCTCTCGATGCCATCACCATCAATGATGTCCCCCAAGTATCGCCAGCTCCTTGA
 TAATGAGGAAAGCTGGGACTTCAACATCTTGAATTGGAAGCCGTTACACATAAAAAGGCCACTTGTGTAC
 CTGGGCTTAAAGTCTTCTCTCGGTTTGGAGTATGTGAATTTTTAACTGTACTGAAACCACTCTTCGGG
 CCTGGCTGCAAGTGATTGAAGCCAACCTACCCTCCTCAACGCCTACCACAACCTCCACCCATGCTGCCGA
 TGTACTGCATGCCACGGCTTTCTTCTTGGAAAGGAAAGAGTGAAGGGAAGCCTGGACCAGCTGGATGAG
 GTGGCTGCTCTGATTGCTGCCACAGTCCACGACGTGGATCACCCTGGAAAGGACCAACTCTTCTGTGCA
 ACGCCGGCAGCGAGCTCGCTGTGCTCTACAATGACACTGCAGTCTTGGAGAGTACCACACAGCCCTGGC
 CTTCCAGCTCACAGTCAAGGACACCAAGTGCAACATTTTCAAGAATTTGACAGGAACCACTATCGAACG
 CTGCGCCAGGCTATTATCGACATGGTTTTGGCTACAGAGATGACAAAACACTTCGAGCACGTGAACAAAT
 TCGTGAACAGCATCAACAAGCCACTGGCAGCTGAGAGTGAGGGCAGTGATTGTGAATGCAACCCTACCGG
 GAAGAATTTCTGAGAACCAAATCCTCATCAAACGCATGATGATTAAGTGTGCCGACGTGGCAACCCG
 TGCCGGCCCTTGGACCTGTGCATTGAATGGGCTGGAAGGATCTCCGAGGAGTACTTTGCTCAGACTGATG
 AAGAGAAGAGGCAGGGGCTGCCTGTGGTGTGCCAGTGTTCGACCGAATACCTGCAGCATCCCCAAGTC
 CCAGATCTCCTTCATCGACTACTTATAACAGACATGTTTGTGCTTGGGATGCCTTCGCTCACCTGCCT
 GCCCTGATGCAGCACCTGGCCGATAACTATAAACACTGGAAGACACTGGATGACCTCAAGTGCAAAACT
 TGAGACTTCCATCTGACAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210337 representing NM_172263
 Red=Cloning site Green=Tags(s)

MDQQQSVRQVSSAEVRIGPMRLTQDPIQVLLIFAKEDSQSDGFWWACDRAGYRCNIARTPESALECFLDK
 HHEIIVIDHRQSRNFDAEAVCRSIRATNPSEHTVILAVVSQASDDHEEASVLP LLHAGFNRRFMENSSII
 ACYNELIQIEHGEVRSQFKLRACNSVFTALDHCEAIEITSDDHVIQYVNP AFERMMGYHKGELLGKELA
 DLPKSDKNRADLLDTINTCIKKGKIHRIHRDSDNSQTEPHSFRHKSRRKESIDVKSISSRGSDAPSLQN
 RRYPSMARIHSMTIEAPITKVINIINAAQENSPVTVAEALDRVLEILRTTELYSPQLGTKDEDPHTSDLV
 GGLMTDGLRRLSGNEYVFTKNVHSHSHLSMPITINDVPPSIAQLLDNEESWDFNIFELEAVTHKRPLVY
 LGLKVFSRFGVCEFLNCTETTLRAWLQVIEANYHSSNAYHNSTHAADV LHATAFFLGKERYKGSLDQLDE
 VAALIAATVHDVDHPGRTNSFLCNA GSELAVLYNDTAVLESHHTALAFQLTVKDTKCNIFKNIDRNHYRT
 LRQAIIDMVLATEMTKHFHVNFVNSINKPLAAESEGS DCECNPTGKNFPENQILIKRMMIKCADVANP
 CRPLDLCIEWAGRISEEYFAQTDEEKRQGLPVVMPV FDRNTCSIPKSQISFIDYFIDTDMFDAWDAFAHLP
 ALMQHLADNYKHWKTLDDLKCKTLRLPSDS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_172263

ORF Size: 2190 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_172263.2](#), [NP_758467.2](#)

RefSeq Size: 4352 bp

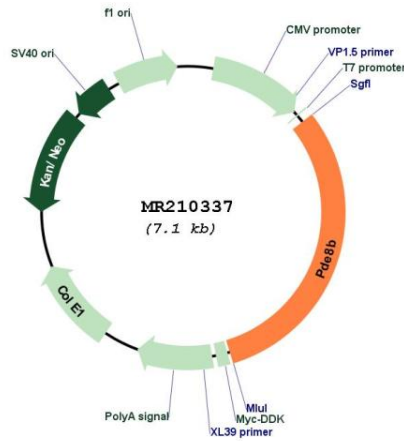
RefSeq ORF: 2193 bp

Locus ID: 218461

Cytogenetics: 13 D1

MW: 83.1 kDa

Product images:



Circular map for MR210337