

Product datasheet for **MG210337**

Pde8b (NM_172263) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde8b (NM_172263) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pde8b
Synonyms:	B230331L10Rik; C030047E14Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG210337 representing NM_172263
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCAGCAGCAGAGCGTGCGCCAGGTGTCTTCTGCAGAGGTGCGCATTGGGCCCATGAGACTGACAC
 AGGACCCATCCAGGTTCTGCTAATCTTCGCAAAGGAAGATAGCCAGAGTGATGGCTTCTGGTGGGCCTG
 TGACAGAGCTGGCTACAGATGCAACATCGCTCGCACTCCAGAGTCGGCCCTCGAGTGCTTCTGGACAAG
 CATCATGAAATTATTGTGATCGATCACAGGCAGAGCCGGAACCTTGATGCAGAAGCCGTGTGAGGTCAA
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 CAGGAGGAAAGAGTCCATTGATGTGAAATCAATATCTTCTCGGGCAGTGATGCGCCAAGCCTACAGAAT
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 TGCCGGCCCTTGGACCTGTGCATTGAATGGGCTGGAAGGATCTCCGAGGAGTACTTTGCTCAGACTGATG
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 CCAGATCTCCTTCATCGACTACTTATAACAGACATGTTTGTGCTTGGGATGCCTTCGCTCACCTGCCT
 GCCCTGATGCAGCACCTGGCCGATAACTATAAACACTGGAAGACACTGGATGACCTCAAGTGCAAAACTC
 TGAGACTTCCATCTGACAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210337 representing NM_172263
 Red=Cloning site Green=Tags(s)

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MDQQQSVRQVSSAEVRIGPMRLTQDPIQVLLIFAKEDSQSDGFWWACDRAGYRCNIARTPESALECFLDK
HHEIIVIDHRQSRNFDAEAVCRSIRATNPSEHTVILAVVSQASDDHEEASVLP LLHAGFNRRFMENSSII
ACYNELIQIEHGEVRSQFKLRACNSVFTALDHCEAIEITSDDHVIQYVNP AFERMIMGYHKGELLGKELA
DLPKSDKNRADLLDTINTCIKKGKIHRIHRDSDNSQTEPHSFRHKSRRKESIDVKSISSRGSDAPSLQN
RRYPSMARIHSMTEAPITKVINIINAAQENSPVTVAEALDRVLEILRTTELYSPQLGTKDEDPHTSDLV
GGLMTDGLRRLSGNEYVFTKNVHSHSHLSMPITINDVPPSIAQLLDNEESWDFNIFELEAVTHKRPLVY
LGLKVFSRFGVCEFLNCTETTLRAWLQVIEANYHSSNAYHNSTHAADV LHATAFFLGKERYKGSLDQLDE
VAALIAATVHDVDHPGRTNSFLC NAGSELAVLYNDTAVLESHHTALAFQLTVKDTKCNIFKNIDRNHYRT
LRQAIIDMVLATEMTKHFHVNKVFNSINKPLAAESEGS DCECNPTGKNFPENQILIKRMMIKCADVANP
CRPLDLCIEWAGRISEEYFAQTDEEKRQGLPVVMPVFD RNTCSIPKSQISFIDYFIDTDMFDAWDAFAHLP
ALMQHLADNYKHWKTLDDLKCKTLRLPSDS
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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](#)

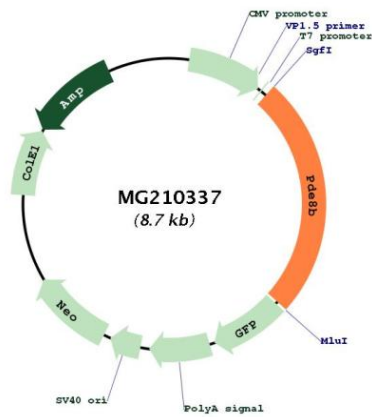
RefSeq Size: 4352 bp

RefSeq ORF: 2193 bp

Locus ID: 218461

Cytogenetics: 13 D1

Product images:



Circular map for MG210337