

Product datasheet for **MC222148**

Pde6b (NM_008806) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde6b (NM_008806) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pde6b
Synonyms:	Pdeb; r; rd; rd-1; rd1; rd10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222148 representing NM_008806
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCCTCAGTGAGGAACAGGTACGCAGCTTCTGGATGGGAACCCACGTTTGCCCATCAATACTTTG
 GGAAGAAGTTGAGCCCTGAAAATGTGGCAGGGCCCTGTGAAGATGGTTGGCTGGCGGACTGTGGCAGCCT
 GCGAGAGCTGTGCCAGGTGGAAGAGAGTGCAGCACTTTTTGAACTGGTGCAGGACATGCAGGAGAGTGTG
 AATATGGAACGTGTGGTCTTCAAGATCCTGCGGCGCCTCTGCACCATCCTGCATGCCGACCCTGCAGCC
 TCTTTATGTACCGCCAGCGCAATGGCATAGCTGAACTTGTACGCGGCTCTTACGCGTGCAGCCTGACAG
 CCTTCTGGAGGATTGCCTGGTCCCCCTGACTCTGAGATCGTCTTCCCCCTGGACATTGGGATTGTGGGC
 CATGTGGCTCAGACCAAGAAGATGATAAAGTGCAGGATGTGGCAGAGTGTCCCCACTTCAGCTCATTCCG
 CCGATGAGCTCACCGACTATGTGACAAAGAACATTTTGTCCACACCAATCATGAATGGCAAAGATGTCGT
 GGCTGTGATCATGGCAGTGAATAAACTGGATGGCCCATGCTTACGAGTGAAGATGAAGATGTTTTACAG
 AAGTACCTGAATTTTGTACATTAACCTGAAGATCTATCACCTAAGCTACCTCCACAACCTGTGAGACAC
 GCAGAGGCCAGGTGCTCCTCTGGTCAGCCAATAAGGTGTTTGAAGAGCTGACAGACATCGAAAGACAGTT
 CCACAAGGCCCTTATACTGTCCGGCCTATCTAACTGCGAACGGTATTTCAGTGGGCTCCTGGACATG
 ACCAAGGAGAAGGAGTTCTTTGATGTGTGGCCTGTGCTGATGGGAGAAGCCAGCCATACTCAGGCCAC
 GAACACCTGATGGCCGGGAAATTTGCTTCTACAAAGTCAATCGATTATATCCTCCACGGCAAAGAAGACAT
 CAAAGTCAATCCACACCCCGGCTGATCACTGGGCCCTGGCCAGTGGCCTTCCAACCTACGTAGCAGAA
 AGTGGCTTATCTGTAACATCATGAATGCTTCACTGATGAAATGTTCACTTTCAGGAGGGGCCCTGG
 ATGATTCAGGATGGTGATCAAGAAATGCTCTCTATGCCATTGTCAACAAGAAAGAGGAGATTGTGGG
 GGTGGCAACCTTCTACAACAGGAAAGATGGAAAGCCCTTCGATGATCAAGATGAAGTCTTATGGAGTCT
 CTGACACAGTTTCTGGGGTGGTCACTGCTGAAACAGACACCTATGACAAGATGAACAAGCTGGAGAACC
 GTAAGGACATCGCCAGGACATGGTTCTGTACCATGTGAGATGTGACAAAGATGAAATCCAGGAAATCCT
 GCCAACAAGGGATCGCCTTGGGAAAGAGCCTGCTGACTGTGAGGAGGATGAGCTGGGAAATCTTGAAG
 GAAGAACTTCCAGGGCCGACCAAGTTTACATCTATGAGTTCACCTTCTCTGATCTGGAGTGTACAGAGC
 TGGAGCTAGTCAAATGTGGCATCCAGATGACTATGAGCTGGGTGATGTCGAAAGTTCCAGATTCCCCA
 GGAGTCTTGGTGGCTTCTATTCTCTGTGACAAAGCCTATCGAAGAATCACCTACCACAACCTGGCGC
 CACGGCTTCAATGTAGCCAGACCATGTTTACCCTACTCATGACAGGCAAACCTGAAGAGCTATTACTG
 ACCTAGAGGCCTTCGCCATGGTTACAGCTGGCTTGTGCCACGACATCGACCACCTGGCACCACAACCT
 GTACCAGATGAAATCGCAGAATCCTCTAGCCAAGTTACATGGCTCCTCAATTCGGAAAGGCACCACCTG
 GAATTTGGGAAGTTTCTGTTGGCAGAGGAGAGCCTGAACATCTATCAGAACCTGAACCGCGGCAGCATG
 AACATGTGATCCACCTCATGGACATTGCCATCATTGCCACCGACCTGGCCCTCACTTCAAGAAGAGAAC
 AATGTTCCAGAAGATTGTGGATGAGTCTAAGAAGTATGAAGATAAGAAGAGTTGGGTTGAGTACTTATCC
 TTAGAGACCACACGAAAGGAGATAGTCATGGCCATGATGATGACTGCATGTGACCTGTCTGCTATCACA
 AACCTGGGAAGTCCAGAGCAAGGTTGCTCTTCTGGTGGCTGCTGAGTTCTGGAAACAGGGGACTTGA
 GAGGACTGTCTTGGATCAACAGCCCATCCCATGATGGACGGAAACAAAGCAGCTGAGCTCCCTAAGCTG
 CAAGTTGGTTTCACTTACTTGTATGACTTTCGTATACAAGGAATTTTCTCGATTTACAGAAAGATCC
 TGCCCATGTTGACCGACTGCAAAATAACAGAAAGGAGTGGAAAGCACTAGCTGACGAGTATGAGGCCAA
 AGTCAAGGCCCTGGAGGAAGAAAAGAAGAAAGACAGAGTCGACGCAAGAAAGTGGGCACAGAA
 GTTTGCAATGGTGGTCCAGCACCCAAGTCTCGACCTGCTGTATCCTA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_008806
Insert Size: 2571 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_008806.2 , NP_032832.2
RefSeq Size:	2831 bp
RefSeq ORF:	2571 bp
Locus ID:	18587
UniProt ID:	P23440
Cytogenetics:	5 53.07 cM
Gene Summary:	This protein participates in processes of transmission and amplification of the visual signal. Necessary for the formation of a functional phosphodiesterase holoenzyme. [UniProtKB/Swiss-Prot Function]