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Product datasheet for MC223550

Pde3b (NM_011055) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde3b (NM_011055) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pde3b
Synonyms:	9830102A01Rik; AI847709
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223550 representing NM_011055 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAGGAAAGACGAGCGCGAGCGGGACGCGCCAGCCATGAGGTCCCCGCCGCCGCCGCCAGCCTCGGCCG CCTCGCCCCCCGAGAGCCTGCGCAACGGCTACGTGAAGAGCTGCGTGAGCCCGCTGCGGCAGGACCCTCC GCGCAGCTTCTTCTTCCACCTCTGCCGCTTCTGCAACGTGGAGCCGCCGGCGGCCTCGCTCCGCGCCGGG GCACGCCTCTCGCTCGGCGTCCTGGCCGCCTTTGTCCTGGCCGCGCTGCTGGGCGCGAGGCCCGAGCGCT GGGCGGCCGCGGCAGCCGGGCTCCGGACGCTGCTGAGCGCCTGCTCGCTCAGCCTCAGCCCGCTCTTCAG CATCGCCTGTGCCTTCTTCTTCCTCACCTGTTTCCTGACGCGCGCGCAGCGCGGCCCGGGCCGCGGCGCC GGCTCCTGGTGGCTGCTGGCGCTGCCCGCCTGCTGCTACCTGGGCGACTTCGCGGCGTGGCAGTGGTGGT CGTGGCTGCGTGGGGAGCCGGCGGCGGCGGGCCGGCTCTGCCTGGTGCTGAGCTGCGTGGGGCTGCTGAC GCTCGCGCCCCGCGTGAGGCTGCGGCACGGCGTCCTGGTGCTGCTCTTCGCCGGCCTGGTGTGGTGGGTG TCCTTCTCCGGCCTCGGGGCTCTGCCGCCCGCGCTCAGGCCTCTGCTGTCGTGCCTGGTCGGGGGCGCGG GATGCCTGCTAGCCCTGGGCTTGGACCACTTCTTTCACGTCCGGGGAGCCTCCCCTCCGCCGCGCTCGGC GAGTACCGCGGAGGAAAAAGTGCCTGTGATCAGACCCCGGAGGAGGTCCAGCTGCGTGTCGCTGGGAGAA AGCGCAGCCGGTTACTATGGCAGTGGCAAGATGTTCAGGAGACCGTCGTTGCCTTGTATTTCCCGAGAAC AGATGATCCTCTGGGACTGGGACTTGAAGCAGTGGTGTAAACCTCATTACCAGAATTCTGGAGGTGGAAA TGGAGTTGATCTTTCAGTGCTAAATGAAGCTCGCAATATGGTGTCAGACCTGCTGATTGACCCAAGCCTT CCCCCACAAGTCATTTCTTCTCTGCGGAGTATCAGTAGCTTGATGGGTGCTTTCTCAGGTTCCTGTAGGC CAAAGATTAATTCTTTTACACCATTTCCTGGATTTTATCCCTGCTCTGAAGTAGAAGATCCAGTTGAGAA AGGAGATCGAAAACTTCACAAGGGATTGAGTGGCAGAACCAGTTTCCCAACTCCACAGCTGAGGAGGAGC TCTGGAGCCTCATCGTTGCTGACTAATGAGCACTGTTCAAGGTGGGATCGCAGCAGTGGTAAGAGGTCTT ACCAAGAACTCAGTGTTTCAAGTCATGGATGCCACCTAAATGGGCCTTTTAGTTCAAATCTTTTTACAAT TCCAAAGCAGAGGTCATCGTCTGTGTCACTGACGCACCATGCAGGTCTGAGAAGAGCTGGTGCTTTGCCC AGCCACAGTCTTCTGAATTCTTCAAGCCATGTACCAGTGTCTGCTGGCTCTCTAACTAATCGATCACCCA

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TAGGATTTCCTGATACCACTGATTTTCTTACTAAGCCAAATATTATTTTACATAGATCACTGGGCAGTGT
ATCAAGTGCAGCAGATTTCCATCAGTACCTTAGGAACTCTGACAGCAATCTGTGTAGCAGCTGTGGACAC
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ATAATGCCTCCTTACCTCAGGCAGATGAGATTCAGGTTATTGAAGAAGCAGATGAAGAGGAAGAACAAAT
GTTTGAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_011055

Insert Size: 3300 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:
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_011055.2, NP_035185.2

RefSeq Size:	5314 bp
RefSeq ORF:	3300 bp
Locus ID:	18576
UniProt ID:	Q61409
Cytogenetics:	7 59.46 cM
Gene Summary:	Cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes. May play a role in fat metabolism. Regulates cAMP binding of RAPGEF3. Through simultaneous binding to RAPGEF3 and PIK3R6 assembles a signaling complex in which the PI3K gamma complex is activated by RAPGEF3 and which is involved in angiogenesis (By similarity).[UniProtKB/Swiss-Prot Function]