

Product datasheet for RN205407

Ptgds (NM_013015) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ptgds (NM_013015) Rat Untagged Clone
Tag: Tag Free
Symbol: Ptgds
Synonyms: PH2DISO
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN205407 representing NM_013015
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCTGCTCTCCAATGCTGTGGACCGGGCTGGTCTCTTGGGTCTCTTGGGATTTCCACAGACCCAG
 CCCAGGGCCATGACACAGTGCAGCCCACTTTCAACAAGACAAGTTCTGGGGCGCTGGTACAGCGCGGG
 CCTCGCCTCCAATTCAAGCTGGTTCGGGAGAAGAAAGAGCTACTGTTTATGTGCCAGACAGTGGTAGCT
 CCCTCCACAGAAGGCGGCCTCAACCTCACCTCTACCTTCTAAGGAAAAACAGTGTGAGACCAAGGTGA
 TGGTACTGCAGCCGGCAGGGGTTCCCGGACAGTACACCTACAACAGCCCCCACTGGGGCAGCTTCCACTC
 CCTCTCAGTGGTAGAAACCGACTACGATGAGTACGCGTTCCTGTTAGCAAGGGCACCAAGGGCCAGGC
 CAGGACTTCCGCATGGCCACCCTCTACAGCAGAGCCAGCTTCTGAAGGAGGAAGTGAAGGAGAAATTCA
 TCACCTTTAGCAAGGACCAGGGCCTCACAGAGGAGGACATTGTTTTCTGCCCAACCGGATAAGTGCAT
 TCAAGAGTAA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_013015
Insert Size: 570 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).



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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:	<u>NM_013015.2</u> , <u>NP_037147.1</u>
RefSeq Size:	759 bp
RefSeq ORF:	570 bp
Locus ID:	25526
UniProt ID:	<u>P22057</u>
Cytogenetics:	3p13
Gene Summary:	catalyzes conversion of prostaglandin H2 to prostaglandin D2, a major prostaglandin that mediates sleep, body temperature, hormone release, and odor responses [RGD, Feb 2006]