

Product datasheet for **MC208593**

Ptgdr2 (NM_009962) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Ptgdr2 (NM_009962) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Ptgdr2 |
| Synonyms: | Crth2; Gpr44; Grp45 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >MC208593 representing NM_009962 Red=Cloning site Blue=ORF |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAACGTCACACTGAAGCCGCTCTGTCCACTCTTGGAGGAGATGGTCCAGCTTCCAAACCACAGCA
ACTCTAGCCTCCGCTACATCGACCACGTGTCGGTGTGTTGCACGGGCTGGCCTCGCTGCTGGGCCTGGT
GGAAAACGGACTCATCTGTTTGTGGTGGGCTGTCGCATGCGCCAGACAGTGGTCACCACCTGGGTGCTG
CACCTGGCGCTATCCGACTTGTAGCCGCCGCTCCCTGCCTTTCTTACCTACTTCTGGCAGTGGCC
ACTCGTGGGAGCTGGGCACTACCTTCTGCAAGCTACATTCTCGGTCTTCTTCTCAACATGTTTGCCAG
CGGCTTCTGCTCAGTGCCATTAGCCTGGACCGCTGCCTGCAGGTGGTGAGGCCAGTGTGGGCACAGAAC
CACCGCACGGTGGCGGTGCGGCACAGAGTCTGCCTGATGCTCTGGGCTCTGGCGGTGCTCAACACAATAC
CATATTTCTGTTTCTAGAGACACCATCCCGCGGCTTGTATGGCCGCATCATGTGCTACTACAATTGCTGCT
CTGGAATCCAGGGCCTGACCGCGACACCACGTGCGACTACCGCCAGAAGGCCCTGGCGGTGAGCAAAATC
CTGCTGGCCTTTCATGGTACCTCTGGCCATAATTGCCTCGAGCCACGTAGCCGTGAGCCTGCGACTGCACC
ACCGTGGTCCGAGAGGACAGGCCGCTTGTGCGCCTGGTGGCGCCATCGTGGTGCCTTCGTGCTCTG
CTGGGGGCCCTACCACATCTTCACTGCTGGAGGCGCGTGCCATTCTGTCACCACGCTACGGCAGCTC
GGTCAAGTGGGCTGCCCTTTGTACCAAGCCTGGCCTTCTCAACAGCGTGGTCAACCCACTGCTCTATG
TGTTACATGCCCGACATGTTGTACAACTGCGGCGCTCGCTACGCGCGGTGCTTGAAGCGGTGCTGGT
AGAAGACAGCGACCAGAGTGGTGGGCTCCGCAATCGCCGTCGCCGCGCTCCTCCACCGCCACCCGAGCC
TCTACCCTCCTGCTGGCTGACCGAATCCCAACTGCGTCCAACCGCTTGTATCGGCTGGATGAGGCGTG
GCAGTGCAGAGGTCCACAGAGGTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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| Restriction Sites: | Sgfl-Mlul |
| ACCN: | NM_009962 |
| Insert Size: | 1149 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: | BC111906 , AAI11907 |
| RefSeq Size: | 1986 bp |
| RefSeq ORF: | 1149 bp |
| Locus ID: | 14764 |
| UniProt ID: | Q9Z2I6 |
| Cytogenetics: | 19 A |
| Gene Summary: | Receptor for prostaglandin D2 (PGD2). Coupled to the G(i)-protein. Receptor activation may result in pertussis toxin-sensitive decreases in cAMP levels and Ca(2+) mobilization. PI3K signaling is also implicated in mediating PTGDR2 effects. PGD2 induced receptor internalization. CRTH2 internalization can be regulated by diverse kinases such as, PKC, PKA, GRK2, GPRK5/GRK5 and GRK6. Receptor activation is responsible, at least in part, in immune regulation and allergic/inflammation responses (By similarity).[UniProtKB/Swiss-Prot Function] |