

## Product datasheet for SC335164

### Prostaglandin D2 Receptor (PTGDR) (NM\_001281469) Human Untagged Clone

#### Product data:

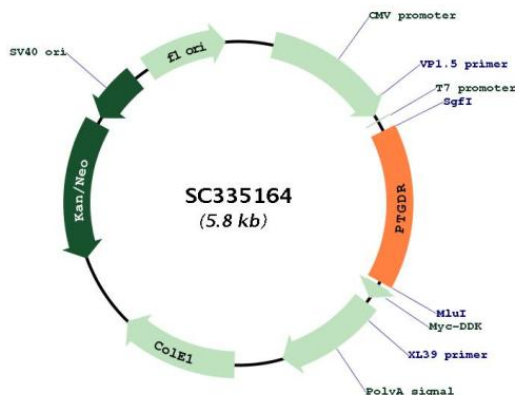
Product Type:	Expression Plasmids
Product Name:	Prostaglandin D2 Receptor (PTGDR) (NM_001281469) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTGDR
Synonyms:	AS1; ASRT1; DP; DP1; PTGDR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335164 representing NM_001281469. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGTCGCGGTTCTACCGCTGCCAGAACACCACCTCTGTGGAAAAAGGCAACTCGGCGGTGATGGGC
GGGGTGTCTTTCAGCACCAGGCTCCTGGCAACCTGCTGGCCCTGGGGCTGCTGGCGCGCTCGGGGCTG
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GTCACCGACTTGTGGCAAGTGCCTCCTAAGCCCGTGGTGTGGTGCCTACGCTCAGAACCGGAGT
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GCTTTCTGCGCGCTACCTTTTCATGGGCTTCGGGAAGTTTCGTGCAGTACTGCCCGGCACCTGGTGCTT
ATCCAGATGGTCCACGAGGAGGGCTCGGTGTGGTGTGGGTAAGTCTGTGCTCTACTCCAGCCTCATG
GCGCTGTGGTCTCGCCACCGTGTGTGCAACCTCGGCGCCATGCGCAACCTCTATGCGATGCACCGG
CGGCTGCAGCGGCACCCGCGCTCCTGCACAGGACTGTGCCGAGCCGCGCGGGACGGGAGGGAAGCG
TCCCTCAGCCCTGGAGGAGCTGGATCACCTCCTGCTGCTGGCGCTGATGACCGTGTCTTCACTATG
TGTCTCTGCCGTAATTGCATTTGTTCTGGAGTCCCGCCAAGACACCTGGGAGTAGGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: Sgfl-MluI



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**Plasmid Map:**


**ACCN:** NM\_001281469

**Insert Size:** 891 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\\_001281469.1](#)

**RefSeq Size:** 3057 bp

**RefSeq ORF:** 891 bp

**Locus ID:** 5729

**UniProt ID:** [Q13258](#)

<b>Cytogenetics:</b>	14q22.1
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Neuroactive ligand-receptor interaction
<b>MW:</b>	32.4 kDa
<b>Gene Summary:</b>	<p>This gene encodes a member of the guanine nucleotide-binding protein (G protein)-coupled receptor (GPCR) superfamily. The receptors are seven-pass transmembrane proteins that respond to extracellular cues and activate intracellular signal transduction pathways. This protein is reported to be a receptor for prostaglandin D2, which is a mediator of allergic inflammation and allergic airway inflammation in asthma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]</p> <p>Transcript Variant: This variant (2) contains an alternate exon, which results in a frameshift, compared to variant 1. The resulting protein (isoform 2) has a distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>