

## Product datasheet for **RC228235**

### PTGR1 (NM\_001146109) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PTGR1 (NM\_001146109) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** PTGR1  
**Synonyms:** DIG-1; LTB4DH; PGR1; ZADH3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC228235 representing NM\_001146109  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTTCGTAAGACATGGACCCTGAAGAAGCACTTTGTTGGCTATCCTACTAATAGTGACTTTGAGT  
TGAAGACAGCTGAGCTCCACCCTTAAAAATGGAGAGGTCTGCTTGAAGCTTTGTTCCCTACCGTGGA  
TCCCTACATGAGAGTGGCAGCCAAAAGATTGAAGGAAGGTGATACAATGATGGGGCAGCAAGTGGCCAAA  
GTTGTGGAAAGTAAAAATGTAGCCCTACCAAAGGAAGTATTGTACTGGCTTCTCCAGGCTGGACAACGC  
ACTCCATTTCTGATGGGAAAGATCTGAAAAGCTGCTGACAGAGTGGCCAGACACAATACCACTGTCTTT  
GGCTCTGGGACAGTTGGCATGCCAGGCCTGACTGCCTACTTTGGCCTACTTGAAATCTGTGGTGTGAAG  
GGTGGAGAAACAGTGATGGTTAATGCAGCAGCTGGAGCTGTGGGCTCAGTCGTGGGGCAGATTGCAAAGC  
TCAAGGGCTGCAAAGTTGTTGGAGCAGTAGGGTCTGATGAAAAGGTTGCCTACCTTCAAAGCTTGATT  
TGATGTCGCTTTAACTACAAGACGGTAGAGTCTTTGGAAGAAACCTTGAAGAAAGCGTCTCCTGATGGT  
TATGATTGTTATTTTATAATGTAGGTGGAGAGTTTTCAAACACTGTTATCGCCAGATGAAGAAATTTG  
GAAGGATTGCCATATGTGGAGCCATCTACATATAACAGAACCAGCCACTTCCCCAGGCCACCCCC  
AGAGATTGTTATCTATCAGGAGCTTCGCATGGAAGCTTTTGTCTCTACCGCTGGCAAGGAGATGCCCGC  
CAAAAAGCTCTGAAGACTTGTGAAATGGTCTTAGAGATCAAAGAGAAAAATGAAGAAGAT

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA**



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**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\\_001146109.1](#), [NP\\_001139581.1](#)

**RefSeq ORF:** 906 bp

**Locus ID:** 22949

**UniProt ID:** [Q14914](#)

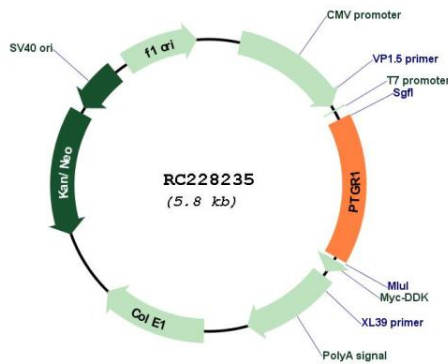
**Cytogenetics:** 9q31.3

**Protein Families:** Druggable Genome

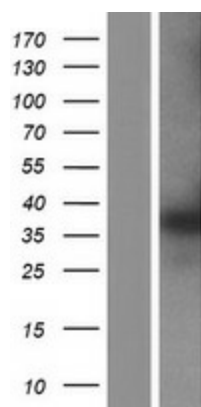
**MW:** 32.7 kDa

**Gene Summary:** This gene encodes an enzyme that is involved in the inactivation of the chemotactic factor, leukotriene B4. The encoded protein specifically catalyzes the NADP+ dependent conversion of leukotriene B4 to 12-oxo-leukotriene B4. A pseudogene of this gene is found on chromosome 1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2009]

### Product images:



Circular map for RC228235



Western blot validation of overexpression lysate (Cat# [LY431263]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC228235 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).