

Product datasheet for **MC204036**

Ptgr2 (NM_029880) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptgr2 (NM_029880) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ptgr2
Synonyms:	1810016I24Rik; 9130222H03Rik; 9630002F03Rik; A1838763; B830026H24Rik; PGR-2; PRG-2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC021466
 CCACGCGTCCGGCCCGCAGAAAAGGAGGAAGTTCGAGCCAGGGTGACCTGTGGCGTCCTCCTCGAGCT
 CCGGGCGACACCGCGGTATAGCTTGGGACGCTAGACTAGGGAATGCCCGTAACAGGAATTATTTTATA
 TAGAAGTCTTGTGAAACCATTGCAGAATTCAAGTGATGATCATACAAAGAGTGGTATTGAATTCGGACC
 TGGGAAAAATGGAATCCAGTCGCAGAGAACTTCAGGGTGAAGAGTTTCAGTTTACTGGATGCTCTCAAT
 GAAGGTCAAGTTCAAGTGAGGACTCTTTATCTCTCGGTGGATCCTTACATGCGCTGAAGATGAACGAGG
 ACACTGGCACTGACTACTTGGCACCGTGGCAGCTGGCGCAGGTGGCTGATGGTGGAGGAATTGGAATTGT
 AGAAGAGAGCAAGCACCAGAAGTTGGCTAAAGGCGATTTTGTGACTTCGTTTTACTGGCCCTGGCAAAT
 AAGGCAATTCTAGACGGGAATGGCCTTGAAAAGGTAGACCCACAACCTGTAGATGGACACCTTTCATATT
 TTCTTGGAGCTATAGGTATGCCTGGCTTGACTTCCTTGATTGGGGTACAAGAGAAAAGCCATATATCTGC
 TGGATCTAATCAGACAATGGTTGTCAGCGGAGCAGCAGGCGCCTGTGGATCTTTGGCTGGGCAGATTGGC
 CACCTGCTTGGCTGTTCCAGAGTGGTGGGAATTTGTGAACTCAGGAGAAATGTCTCTTTTTGACCTCAG
 AGCTGGGGTTTGATGCTGCAGTTAATTACAAAACAGGGAATGTGGCAGAGCAGCTGCGAGAAGCGTGCCC
 GGGCGGAGTGGATGTCTACTTTGACAATGTTGGAGGTGACATCAGCAACACGGTGATAAGTCAGATGAAT
 GAGAACAGCCACATCTTGTGTGGTCAAGATTCTCAGTACAATAAAGATGTGCCCTACCTCCTCCAC
 TGCCCCCTGCAGTAGAAGCCATCCGGAAGGAACGAAACATCACAAGAGAGAGATTTACGGTATTAATTA
 TAAAGATAAATTTGAGCCTGGAATTCTACAGCTGAGTCAGTGGTTTTAAGAAGGAAAGCTAAAGGTCAAG
 GAGACCGTGGCAAAGGGCTTGGAAAACATGGGAGTTGCATTCCAGTCCATGATGACAGGGGGCAACGTAG
 GGAAACAGATCGTCTGCATTTCAAGAAATTCTTCTGTAGTCTTGGTGTCTTCAAGGAAGCCCTCC
 ATTTTTCACTTCCACAAGATTCTTAAGATACATTTAAAAAATAATCTTCTGTACAGATAAAAAAAA AAAAAA

Restriction Sites:	RsrII-NotI
ACCN:	NM_029880
Insert Size:	1056 bp



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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:	BC021466 , AAH21466
RefSeq Size:	1337 bp
RefSeq ORF:	1056 bp
Locus ID:	77219
UniProt ID:	Q8VDQ1
Cytogenetics:	12 D1
Gene Summary:	Functions as 15-oxo-prostaglandin 13-reductase and acts on 15-keto-PGE1, 15-keto-PGE2, 15-keto-PGE1-alpha and 15-keto-PGE2-alpha with highest activity towards 15-keto-PGE2. Overexpression represses transcriptional activity of PPARG and inhibits adipocyte differentiation.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) is the predominant transcript and encodes the longer isoform (1). Variants 1 and 2 encode the same isoform.