

Product datasheet for MC227217

Ptgr2 (NM_001252625) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptgr2 (NM_001252625) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ptgr2
Synonyms:	1810016I24Rik; 9130222H03Rik; 9630002F03Rik; A1838763; B830026H24Rik; PGR-2; PRG-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC227217 representing NM_001252625 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATCATACAAAGAGTGGTATTGAATCCCGACCTGGGAAAAATGAAATCCAGTCGCAGAGAACTTCA
GGGTGGAAGAGTTCAGTTTACCGGATGCTCTCAATGAAGGTCAAGTTCAAGTGAGGACTCTTTATCTCTC
GGTGGATCCTTACATGCGCTGTAAGATGAACGAGGACACTGGCACTGACTACTTGGCACCGTGGCAGCTG
GCGCAGGTGGCTGATGGTGGAGGAATTGGAGTTGTAGAGGAGAGCAAGCACCAGAAGTTGACTAAAGGCG
ATTTTGTGACTTCGTTTTACTGGCCCTGGCAAATAAGGCAATCTAGATGGGAATGGCCTTAAAAAGGT
AGACCCACAACCTGTAGATGGACACCTTTCATATTTTCTTGGGGCTATAGGTATGCCTGGCTTGACTTCC
TTGATTGGGGTACAGGAGAAAGGCCATATATCTGCTGGATCTAATCAGACAATGGTTGTCAGTGGAGCAG
CAGGCGCTGTGGATCTTTGGCTGGCAGATTGGCCACCTGCTTGGCTGTTCCAGAGTGGTGGGAATTTG
TGAACCGCAGGAGAAATGTCTCTTTTGGACCTCAGAGCTGGGGTTTGTAGTGCAGTTAATTACAAAACA
GGGAATGTGGCAGAGCAGCTGCGAGAAGCGTGCCGGCGGAGTGGATGTCTACTTTGACAATGTTGGAG
GTGACATCAGCAACCGGTGATAAAGTCAGATGAATGAGAACAGCCACATCCTGTGTGGTCCAGATTTTC
TCAGTACAGTAACGATGTGCCCTACCCTCCTCCACTGCCCCCTGCAGTAGAAGCCATCCGGAAGGAACGA
AACATCACAAGAGAGAGATTTACGGTATTAATTAATAAAGATAAAATTTGAGCCTGGAATTTACAGCTGA
GTCAGTGGTTTAAAGAAGGAAAGCTAAAGGTCAAGGAGACCATGGCAAAGGGCTTGGAAAACATGGGAGT
TGCATTCCAGTCCATGATGACAGGGGGCAACGTAGGGAACAGATCGTCTGCATTTCAGAAGATTCTTCT
CTG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001252625



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Insert Size:	1056 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	NM_001252625.1 , NP_001239554.1
RefSeq Size:	3178 bp
RefSeq ORF:	1056 bp
Locus ID:	77219
UniProt ID:	Q8VDQ1
Cytogenetics:	12 D1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) has an additional segment in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same isoform (1).</p>