

Product datasheet for RN214345

Ptgr2 (NM_001015009) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptgr2 (NM_001015009) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ptgr2
Synonyms:	Zadh1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN214345 representing NM_001015009 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCATACAAAGAGTGGTATTGGATTCCCGACCTGGGAAAAATGGAAATCCCGTTGCAGAGAATTTCA
GGGTGGAAGAAGTCAGTTTACCGGATACTATCAACGAAGGACAAGTTCGAGTAAGAACTCTATCTCTC
CGTGGATCCTTACATGCGCTGTAAGATGAACGAAGAGACTGGTGCTGACTATTTGGCCCCGTGGCAGCTG
GCACAGGTGGCTGACGGTGGAGGACTTGGAGTTATAGAAGAGAGCAAGCACCAGAAGTTGGCCAAAGGCC
ATTTTGTGACTTCTTTTACTGGCCCTGGCAAATAAGGCAATTCTAGACGGGAATGGCCTTGAGAAGGT
AGACCCACAACCTTGTGGATGGACACCTTTCGTATTTCTTGGAGCTATAGGTATGCCCGCTTGACTTCC
TTGATTGGGGTACAGGAAAAAGGTCATGTATCTGCTGGATCTAATCAGACCATGGTTGTCAGCGGGCGG
CAGGCGCCTGTGGATCTTTGGCTGGGCAGATTGGCCACCTGCTTGGTTGTTCCAGAGTGGTGGGAATTTG
TGAACGCATGAGAAATGTCTCTTTTACCTCAGAGCTGGGGTTTGATGCTGCAGTCAATTACAAAACA
GGGAATGTTGCAGAACAGCTTCGAGAAGCGTCCCCGGACGGAGTGGATGTTTACTTTGACAATGTTGGAG
GTGACATCAGCAATGCGGTGATAAGTCAGATCAAGGAGACTGTGGCAAACGGCTTGGAAAACATGGGAGT
TGCATTCCAATCCATGATGACAGGAGGCAACATAGGGAAGCAGATCGTCCGCATTTCAGAAGATTCTTCT
CCGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001015009
Insert Size:	846 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:	<u>NM_001015009.1</u> , <u>NP_001015009.1</u>
RefSeq Size:	2825 bp
RefSeq ORF:	846 bp
Locus ID:	299194
UniProt ID:	<u>Q5BK81</u>
Cytogenetics:	6q31
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 (By similarity).[UniProtKB/Swiss-Prot Function]