

## Product datasheet for **SC309547**

### PTGER3 (NM\_198715) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PTGER3 (NM_198715) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTGER3
Synonyms:	EP3; EP3-I; EP3-II; EP3-III; EP3-IV; EP3-VI; EP3e; Inc003875; PGE2-R
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_198715 edited  
 AGGAAGGCGTGGCTCCCTCCCGGGCCAGTGAGCCCTGGCGCCGCCGCGGGCCGCGGTCCCA  
 GCAGCGGAGTAGGGCGGGCGGTGCGCCCGCACCATGGGGGGCAGCCAGCCCCAGCCGC  
 GGTAAACGCCGACCTCCGCGCCGCCCGCGCGGTCTGCCCCCTCCCGCTGCGGCTCTC  
 TGGACGCCATCCCTCCTCACCTCGAAGCCAACATGAAGGAGACCCGGGGCTACGGAGGG  
 GATGCCCCCTTCTGACCCGCTCAACCACTCCTACACAGGCATGTGGGCGCCGAGCGT  
 TCCGCGGAGGCGGGGCAACCTCACGCGCCCTCCAGGGTCTGGCGAGGATTGCGGATCG  
 GTGTCCGTGGCCTTCCCGATCACCATGCTGCTCACTGGTTTCGTGGGCAACGCACTGGCC  
 ATGCTGCTCGTGTGCGCAGCTACCGGCGCCGGGAGAGCAAGCGCAAGAAGTCTTCCTG  
 CTGTGCATCGGCTGGCTGGCGCTCACCGACCTGGTCGGGAGCTTCTCACCACCCGGTC  
 GTCATCGTGTACCTGTCCAAGCAGCGTTGGGAGCACATCGACCCGTGCGGGCGGCTC  
 TGCACCTTTTCGGGCTGACCATGACTGTTTTTCGGGCTCTCCTCGTTGTTTCATCGCCAGC  
 GCCATGGCCGTGAGCGGGCGCT : GGCCATCAGGGCGCCGCACTGGTATGCGAGCCACAT  
 GAAGACGCGTGCCACCCGCGCTGTGCTGCTCGGCGTGTGGCTGGCCGTGCTCGCCTTCGC  
 CCTGCTGCCGGTGTGGGCGTGGGCCAGTACACCGTCCAGTGGCCCGGGACGTGGTGCTT  
 CATCAGCACCGGGCGAGGGGCAACGGGACTAGCTCTTCGCATAACTGGGGCAACCTTTT  
 CTTGCGCTCTGCCTTTCCTTCTGGGGCTCTTGGCGTGACAGTCACCTTTTCTGCAA  
 CCTGGCCACCATTAAGGCCCTGGTGTCCCGCTGCCGGGCAAGGCCACGGCATCTCAGTC  
 CAGTGCCAGTGGGGCCGCATCACGACCGAGACGGCCATTTCAGCTTATGGGGATCATGTG  
 CGTGCTGTGCGTCTGCTGCTCCGCTCCTGATAATGATGTTGAAAATGATCTTCAATCA  
 GACATCAGTTGAGCACTGCAAGACACACGAGGAGAGCAAGAAAGAAATGCAACTTCTTCTT  
 AATAGCTGTTGCGCTGGCTTCACTGAACCAGATCTTGGATCCTTGGGTTTACCTGCTGTT  
 AAGAAAGATCCTTCTTCGAAAGTTTTGCCAGGTAGCAAATGCTGTCTCCAGCTGCTCTAA  
 TGATGGACAGAAAGGGCAGCCTATCTCATTATCTAATGAAATAATACAGACAGAAGCATG  
 A

**Restriction Sites:** Please inquire



[View online >](#)

<b>ACCN:</b>	NM_198715
<b>Insert Size:</b>	1400 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_198715.1</a></u> , <u><a href="#">NP_942008.1</a></u>
<b>RefSeq Size:</b>	2468 bp
<b>RefSeq ORF:</b>	1167 bp
<b>Locus ID:</b>	5733
<b>UniProt ID:</b>	<u><a href="#">P43115</a></u>
<b>Cytogenetics:</b>	1p31.1
<b>Protein Families:</b>	Druggable Genome, GPCR, Transcription Factors, Transmembrane
<b>Protein Pathways:</b>	Calcium signaling pathway, Neuroactive ligand-receptor interaction
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a member of the G-protein coupled receptor family. This protein is one of four receptors identified for prostaglandin E2 (PGE2). This receptor may have many biological functions, which involve digestion, nervous system, kidney reabsorption, and uterine contraction activities. Studies of the mouse counterpart suggest that this receptor may also mediate adrenocorticotrophic hormone response as well as fever generation in response to exogenous and endogenous stimuli. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2009]</p> <p>Transcript Variant: This variant (5) lacks multiple 3' exons and has an unique 3' end region when compared to variant 1. The resulting protein (isoform 5) has a distinct and shorter C-terminus, as compared to isoform 1. Other names for this transcript are EP3-II, EP3C, and EP3D.</p>