

Product datasheet for **SC128068**

PTGER3 (NM_000957) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PTGER3 (NM_000957) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTGER3
Synonyms:	EP3; EP3-I; EP3-II; EP3-III; EP3-IV; EP3e; MGC27302; MGC141828; MGC141829
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_000957, the custom clone sequence may differ by one or more nucleotides

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ATGAAGGAGACCCGGGGCTACGGAGGGGATGCCCCCTTCTGCACCCGCCTCAACCACTCCTACACAGGCA
TGTGGGCGCCGAGCGTTCCGCCGAGGCGGGGCAACCTCACGCGCCCTCCAGGGTCTGGCGAGGATTG
CGGATCGGTGTCCTGGCCTTCCCGATCACCATGCTGCTCACTGGTTTCGTGGGCAACGCACTGGCCATG
CTGCTCGTGTGCGCGAGCTACCGGCGCCGGGAGAGCAAGCGCAAGAAGTCCTTCTGCTGTGCATCGGCT
GGCTGGCGCTCACCGACCTGGTCGGGCAGCTTCTACCACCCCGGTCGTCATCGTCGTGTACCTGTCCAA
GCAGCGTTGGGAGCACATCGACCCGTCGGGGCGGCTCTGCACCTTTTTCGGGCTGACCATGACTGTTTTT
GGGCTCTCCTCGTTGTTTCATCGCCAGCGCCATGGCCGTCGAGCGGGCGCTGGCCATCAGGGCGCCGCACT
GGTATGCGAGCCACATGAAGACGCGTGCCACCCGCGTGTGCTGCTCGGGGTGTGGCTGGCCGTGCTCGC
CTTCGCCCTGCTGCCGGTGTGGGCGTGGGCCAGTACACCGTCCAGTGGCCCGGGACGTGGTGTTCATC
AGCACCGGGCGAGGGGGCAACGGGACTAGCTCTTCGCATAAAGTGGGGCAACCTTTTCTTCGCCTCTGCCT
TTGCCTTCTGGGGCTCTTGGCGCTGACAGTCACTTTTCTGCAACCTGGCCACCATTAAAGGCCCTGGT
GTCCCGCTGCCGGGCAAGGCCACGGCATCTCAGTCCAGTGGCCAGTGGGGCCGATCACGACCGAGACG
GCCATTCAGCTTATGGGGATCATGTGCGTGTGTCGGTCTGCTGGTCTCCGCTCCTGATAATGATGTTGA
AAATGATCTTCAATCAGACATCAGTTGAGCACTGCAAGACACACCGGAGAAGCAGAAAGAATGCAACTT
CTTCTTAATAGCTGTTCCGCTGGCTTCACTGAACAGATCTTGGATCCTTGGGTTTACCTGCTGTTAAGA
AAGATCCTTCTCGAAAGTTTTGCCAGATGAGAAAAAGAAGACTCAGAGAGCAAGCTCCTCTTCCCCA
CCTCTACTGTGATTGATCCTTCAAGTTCTGTGCTCAGCCCTTCCGTTGTTTCTGGATTTGTCCTTTCC
CGCCATGTCTTACATCACATCCACAACCTTCCACTAACACTTGCAGCTTCAAACCTTCTAGAGAACCCTGC
AGTGTCCAGCTAAGCTGA

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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_000957 unedited ACTTTGGNGATGGCAACTCCAGNCCAGNANAGCACTGGGGNAGGGTCACAGGGATGCC ACCCGGGATCTGTTCAAGAAACAGCTATGACCGCGGCCGCAATCTAGAAGTCATCAGCTT AGCTGGACACTGCAGGGTTCTCTAAGAAGTTTGAAGCTCGCAAGTGTAGTGGAAAGTTGT GGATGTGATGAAGACATGGCGGGAAAGGACAAATCCAAGAACCAACGGAAGGGCTGAGCA CAGAACCTTGAAGGATCAATCACAGTAGAGGTGGGAAGAAGAGGAGCTTGCTCTCTGAGT CTTCTTTTTCTCATCTGGCAAACTTTTGAAGAAGGATCTTTCTTAACAGCAGGTAACCC CAAGGATCCAAGATCTGGTTCAGTGAAGCCAGGCGAACAGCTATTAAGAAGAAGTTGCAT TCTTTCTGCTTCTCCGTGTGTCTTGCAGTGCTCAACTGATGTCTGATTGAAGATCATT TTCAACATCATTATCAGGAGCGGAGACCAGCAGACCGACAGCACGCACATGATCCCCATA AGCTGAATGGCCGTCTCGGTCGTGATGCGGCCCCACTGGGCACTGGACTGAGATGCCGTG GCCTTGGCCCGGACGGGACACCAGGGCCTTAATGGTGGCCAGGTTGCAGGAAAAGGTG ACTGTCAGCGCCAAGAGCCCCAGGAAGGCAAAGGCAGAGGCGAAGAANAGGTGCCCCAGT TATGCGAAGAGCTAGTCCCGTTGCCCCCTCGCCCGGTGCTGATGAAGCACACGTCCCGG GCCACTGGACGGTACTGGCCACGCCAGCACCGGCAGCAGGGGCGAAGCGAGCACGG CCAGCCACACGCCGAGCAGCACAGCGCGGGT
Restriction Sites:	Please inquire
ACCN:	NM_000957
Insert Size:	1600 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).
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_000957.2 , NP_000948.2
RefSeq Size:	2082 bp
RefSeq ORF:	1278 bp
Locus ID:	5733
Cytogenetics:	1p31.1
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transcription Factors, Transmembrane
Protein Pathways:	Calcium signaling pathway, Neuroactive ligand-receptor interaction

Gene Summary:

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]

Transcript Variant: This variant (1) encodes the longest isoform (1). Another name for this transcript is EP3f.