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Product datasheet for SC324539

PTGER3 (NM_198716) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PTGER3 (NM_198716) Human Untagged Clone
Tag:	Tag Free
Symbol:	PTGER3
Synonyms:	EP3; EP3-I; EP3-II; EP3-III; EP3-IV; EP3-VI; EP3e; lnc003875; PGE2-R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene sequence for NM_198716.1
GGGGCTCGCCACCAGAGGTTTCCCAGAGAGGAAGGCGTGGCTCCCTCCCGGGCCAGTGAG
CCCTGGCGCCGCCGCGGCCGCGGTCCCAGCAGCGGAGTAGGGCGGCGGCTGCGCCCCGCA
CCATGGGGGGCAGCCCAGCCCCAGCCGCGGTAAACGCCGACCTCCGCCGCCGCCCGCGCC
GCGTCTGCCCCCTCCCGCTGCGGCTCTCTGGACGCCATCCCCTCCTCACCTCGAAGCCAA
CATGAAGGAGACCCGGGGCTACGGAGGGGATGCCCCCTTCTGCACCCGCCTCAACCACTC
CTACACAGGCATGTGGGCGCCCGAGCGTTCCGCCGAGGCGCGGGGCAACCTCACGCGCCC
TCCAGGGTCTGGCGAGGATTGCGGATCGGTGTCCGTGGCCTTCCCGATCACCATGCTGCT
CACTGGTTTCGTGGGCAACGCACTGGCCATGCTGCTCGTGTCGCGCAGCTACCGGCGCCG
GGAGAGCAAGCGCAAGAAGTCCTTCCTGCTGTGCATCGGCTGGCTGGCGCTCACCGACCT
GGTCGGGCAGCTTCTCACCACCCCGGTCGTCATCGTCGTGTACCTGTCCAAGCAGCGTTG
GGAGCACATCGACCCGTCGGGGCGGCTCTGCACCTTTTTCGGGCTGACCATGACTGTTTT
CGGGCTCTCCTCGTTGTTCATCGCCAGCGCCATGGCCGTCGAGCGGGCGCTGGCCATCAG
GGCGCCGCACTGGTATGCGAGCCACATGAAGACGCGTGCCACCCGCGCTGTGCTGCTCGG
CGTGTGGCTGGCCGTGCTCGCCTTCGCCCTGCTGCCGGTGCTGGGCGTGGGCCAGTACAC
CGTCCAGTGGCCCGGGACGTGGTGCTTCATCAGCACCGGGCGAGGGGGCAACGGGACTAG
CTCTTCGCATAACTGGGGCAACCTTTTCTTCGCCTCTGCCTTTGCCTTCCTGGGGCTCTT
GGCGCTGACAGTCACCTTTTCCTGCAACCTGGCCACCATTAAGGCCCTGGTGTCCCGCTG
CCGGGCCAAGGCCACGGCATCTCAGTCCAGTGCCCAGTGGGGCCGCATCACGACCGAGAC
GGCCATTCAGCTTATGGGGATCATGTGCGTGCTGTCGGTCTGCTGGTCTCCGCTCCTGAT
AATGATGTTGAAAATGATCTTCAATCAGACATCAGTTGAGCACTGCAAGACACACACGGA
GAAGCAGAAAGAATGCAACTTCTTCTTAATAGCTGTTCGCCTGGCTTCACTGAACCAGAT
CTTGGATCCTTGGGTTTACCTGCTGTTAAGAAAGATCCTTCTTCGAAAGTTTTGCCAGAT
GAGAAAAAGAAGACTCAGAGAGCAAGAGGAATTTTGGGGAAATTAAAACCTGCCTTTCTG
CCAGGATCACATCACTGGAAGCTCCATGACTCTCTTTTTGTAAAAGAAAAAAAAATCACA
GAAACACCCACCTCCCAAACTATTCTCTTTTACTTCTTCCCCCAAGCCCACCCCCAAATA
TAACTGTTATCCAGAAGCTGTTATGTCCTGTTTCCATACATGTTTTTGTACTTTTACTAT
ATCTACATACATCAATTAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_198716

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: 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.

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:	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_198716.1, NP_942009.1
RefSeq Size:	1844 bp
RefSeq ORF:	1125 bp
Locus ID:	5733
UniProt ID:	P43115
Cytogenetics:	1p31.1
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 adrenocorticotropic 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 (6) lacks two coding exons compared to variant 1. The resulting protein (isoform 6) has a distinct and shorter C-terminus, as compared to isoform 1. Other names for this transcript are EP3F and EP3d.