

Product datasheet for SC126558

EP2 (PTGER2) (NM_000956) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EP2 (PTGER2) (NM_000956) Human Untagged Clone
Tag:	Tag Free
Symbol:	EP2
Synonyms:	EP2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_000956 edited ATGGGCAATGCCTCCAATGACTCCCAGTCTGAGGACTGCGAGACGCGACAGTGGCTTCCC CCAGGCGAAAGCCCAGCCATCAGCTCCGTCATGTTCTCGGCCGGGTGCTGGGGAACCTC ATAGCACTGGCGCTGCTGGCGCGCCGCTGGCGGGGGACGTGGGTGCAGCGCCGCCGC AGGAGCTCCCTCTCCTTGTCCACGTGCTGGTGACCGAGCTGGTGTTCACCGACCTGCTC GGGACCTGCCTCATCAGCCCAGTGGTACTGGCTTCGTACGCGCGGAACCAGACCCTGGT GCACTGGCGCCCGAGAGCCGCGGTGCACCTACTTCGCTTTCGCCATGACCTTCTTCAGC CTGGCCACGATGCTCATGCTCTTCGCCATGGCCCTGGAGCGCTACCTCTCGATCGGGCAC CCCTACTTCTACCAGCGCCGCTCTCGCGCTCCGGGGCCTGGCCGTGCTGCCTGTCATC TATGCAGTCTCCCTGCTTCTGCTCGCTGCCGCTGCTGGACTATGGGCAGTACGTCAG TACTGCCCGGGACCTGGTGCTTCATCCGGCACGGGCGGACCGCTTACCTGCAGTGTAC GCCACCCTGCTGCTGCTTCTCATTGTCTCGGTGCTCGCCTGCAACTTCAGTGTATTCTC AACCTCATCCGCATGCACCGCCGAAGCCGAGAAAGCCGCTGCGGACCTTCCCTGGGCAGT GGCCGGGGCGGCCCGGGGCCCGCAGGAGAGGGGAAAGGGTGTCCATGGCGGAGGAGACG GACCACCTCATTCTCCTGGCTATCATGACCATCACCTTCGCCGTCTGCTCCTTGCCTTTC ACGATTTTTGCATATATGAATGAAACCTTCCCGAAAGGAAAAATGGGACCTCCAAGCT CTTAGGTTTTATCAATTAATTAATAATTGACCCTTGGGTCTTTGCCATCCTTAGGCCT CCTGTTCTGAGACTAATGCGTTCAGTCCCTCTGTTGTGCGGATTTTCATTAAGAACAAGAT GCAACACAAACTTCCCTGTTCTACACAGTCAGATGCCAGTAAACAGGCTGACCTTTGA
Restriction Sites:	NotI-NotI
ACCN:	NM_000956
Insert Size:	1100 bp



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OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	<p>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.</p>
Components:	<p>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).</p>
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_000956.2 , NP_000947.2
RefSeq Size:	2395 bp
RefSeq ORF:	1077 bp
Locus ID:	5732
UniProt ID:	P43116
Cytogenetics:	14q22.1
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	<p>This gene encodes a receptor for prostaglandin E2, a metabolite of arachidonic acid which has different biologic activities in a wide range of tissues. Mutations in this gene are associated with aspirin-induced susceptibility to asthma. [provided by RefSeq, Oct 2009]</p>