

Product datasheet for **SC214214**

EP4 (PTGER4) (NM_000958) Human 3' UTR Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | 3' UTR Clones |
| Product Name: | EP4 (PTGER4) (NM_000958) Human 3' UTR Clone |
| Symbol: | EP4 |
| Synonyms: | EP4; EP4R |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pMirTarget (PS100062) |
| ACCN: | NM_000958 |
| Insert Size: | 1387 bp |



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Insert Sequence:

>SC214214 3'UTR clone of NM_000958

The sequence shown below is from the reference sequence of NM_000958. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ACACTGAACTTATCAGAAAAATGTATATAATAGGCAAGGAAAGAAATACAGTACTGTTTCTGGACCCCTT
ATAAAAATCCTGTGCAATAGACACATACATGTACATTTAGCTGTGCTCAGAAGGGCTATCATCATCCTA
CAACTCACATTAGAGAACATCCTGGCTTTTGGACTTTTCAAACAATCAAGTTGACTCACGTGGGTCC
TGAGGCCGTCAGCACGTCGGATGCTACCCCACTATGACAGAGGATTGTGGTCACAACCTTGATGGCTGCG
AAGACCTACCCTCCGTTTTTCTACTAGATAGGAGGATGGTAGAAGTTGGCTGCTGCATAACATCCAG
AGCTTTGTCGATTTTGGCACACAGCAGAGGCCAGATATTAGAAAGGCTCTATTCCAATAAACTATGAG
GACTGCCTTATGGATGATTTAAGTGTCTACTAAAGCATGAAATGTGAATTTTTATTGTTGTACATACG
ATTTAAGGTATTTAAAGTATTTTCTTCTGTGAGAAGGTTTATTGTTAATACAAGGTATAATAAAATT
ATCGCAACCCCTCTCCTCCAGTATAACCAGCTGAAGTTGCAGATGTTAGATATTTTTCATAAACAAGT
TCGAGTCAAAGTTGAAAATTCATAGTAAGATTGATATCTATAAAATAGATATAAAATTTTTAAGAGAAAG
AATTTAGTATTATCAAAGGGATAAAGAAAAAATACTATTTAAGATGTGAAAATTACAGTCCAAAATAC
TGTTCTTTCCAGGCTATGTATAAAATACATAGTAAAAATTGTTTAGTGATATTACATTTATTTATCCAG
AAAACGTGATTTCCAGGAGAACCCTAACATGCTGGTGAATATTTTCAACTTTTCCCTCACTAATGGTA
CTTTTAAAAACATAACATAAAATTTTTGAAGTCTTTAATAAATAACCCATAATTGAAGTGATAAATA
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TTACCAAGAATATCCTTTAAAAATTTAAAGGATGGCAAGTTGCATCAGAAAGCTTTATTTTGAGATGTA
AAAAGATTCCCAACGTTGTTACATTAGCCATTGATGTATGTCAGAAGTGCAGAATTGGGGCACTTAAT
GGTCACCTTGTAACAGTTTTGTGTAACCTCCAGTGATGCTGTACACATATTTGAAGGGTCTTTCTCAA
GAAATATTAAGCATGTTTTGTTGCTCAGTGTGTTTGTGAATTGCTTGGTTGTAATAAATCTGAGCCT
GATATTGATATGGTTTTAAGAAGCAGTTGTACCAAGTGAATATTTTGGAGATTATAATAAATATATA
CATTCAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCACCGCCGCTTCTATGAAAGG
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Restriction Sites:

Sgfl-Mlul

OTI Disclaimer:

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components:

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq:

[NM_000958.3](#)

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 can activate T-cell factor signaling. It has been shown to mediate PGE2 induced expression of early growth response 1 (EGR1), regulate the level and stability of cyclooxygenase-2 mRNA, and lead to the phosphorylation of glycogen synthase kinase-3. Knockout studies in mice suggest that this receptor may be involved in the neonatal adaptation of circulatory system, osteoporosis, as well as initiation of skin immune responses. [provided by RefSeq, Jul 2008]

Locus ID: 5734

MW: 53.7