

Product datasheet for **SC204724**

SMC3 (NM_005445) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	SMC3 (NM_005445) Human 3' UTR Clone
Symbol:	SMC3
Synonyms:	BAM; BMH; CDLS3; CSPG6; HCAP; SMC3L1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_005445
Insert Size:	1776 bp



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Insert Sequence:

>SC204724 3'UTR clone of NM_005445

The sequence shown below is from the reference sequence of NM_005445. 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
TTTGTAGAAGATGATACCCACACATGGTAAATTGGAAAATACTACCTACTGGTTTGGGAGATGTATATAG
TAATATGATTCTCATACCCAGGAAGTAAATTTAAACCTAAATATTTGGCCAATAGTTTTCAGACTTA
AAGCATCATAGTCCTTTTATATTTGTCTTTGTATTTTATAAGATACTCTGTAATGTCATGTTTGTACTG
ATAGTTTAAAGAAATTAATTTCTGTACAACCTTTTGTAAAATGTTCTGCTCCTATTTTAAATGTTTTGA
AACATGCTAAATATTTCTTCTAATTTATTTTATCACTTATACTACCTTTTTTATAGCTTCAATTAATA
ATCGGTTTTATGACTAATATAGTGTATTTATGTGGCTTTTCATTTGTCATAGTCTCTCCAGTGAGAAACA
CTAATCAGATTGGATGTAAGGCCTCATTTAACTTAATCACCTCTTAAAAGACCTGTCTCCAAATACA
GTTAAATTTGAGGTATTGAGGGTTAGGACTTCAACATGTGAGTTTGGGAAGGGAAGCACAAAATCAGCC
CCTACCATGGTATATTTATCATTGATACATTACTCAACTAAGCTCAAGATTTTATTAGATTTGACT
AGTTTTTCCACTAAGGCCCTTTTCTTTCTAGGATCCCACAGAGGATACATTACATTTACTTACATCT
CCTCTAGTCTGTGACAATTTCTCTGTCATTGTTTATCATATCTTGACAATTTTGAATAATTTACATA
TTTTGTAGAATGTCCCTCAAATAGGTTTGTCTAATTTTTTCTCATGGTTAGATTGGAGCTAATACCA
CAGAAGCGAAGTATTCTCATTACCTCATATAATAGTACATATTAAACATGTTTATCACTGATGTTT
ACCTTGATCACCTACCAACATTGTAAGTCCAGGTTTCTTTGTTGTGAAGTTACATTTTTTCCCTTT
CCATACTACTCTTTTCTTGAAGTAGGCTTTAAGCACTGGGGTCTCCTGTGACCCTGGAAAACACTAC
TCAATAGTCTCGTAGCTTTTGTAGATTCTTTGAGATTTTACATAGACAGTCATGTCATTTTGCAA
GAAAGAGGCAGTTTTTATTTCTTCTTTTCAAATATTTACCTTTAATTTCTTTTTCTTGATTTCCCTGG
CCTGAGTTTATACTGGTTATCTGCAAGGAGAATTTGTTAGGAGCTACTCTCCATCATTGGAACAGAA
ATACCTAAAGAGATACTTTTAAATAAAGAAATAGTAATGGGACTTTAAATTGAATTTAAAAATGTGAG
TTTACTTTGGGTTTTTCTTTGACTGGCTGAATCTTAAATGTTCCGGTGTATTATTTATACTTTGTAGC
TTTGCTATAACATAACTGATCTATAATAGAGAATTTGGTATATGTTCTATCTATGACTACATTCAAAGG
GTTACGTAACATAAATATCTTTCTAATATTTCTACCATTTTTCTACACATTTACCAAGAATTTTTCT
CAAACAACCTAAGAATATTCATCATGAATGCTTGGTGTATAGTTTACGATTTGTAGAGTTGCTCTG
ATATGACCAACCCCTTATAATACAGAATTTGGTGAAGTAAGTCCAGGATTCAATTCAGGGATGTT
ACAAACATAACATCATTCTAGAACTTCTTAATATTGTTCTTAAGCATTTCCCAAGGATATTAGTATAA
TGAAATGCCAGTAAATTTATAACAATAAAGCATCTAAATAATGAAACAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites:

Sgfl-MluI

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_005445.4](#)

Summary:

This gene belongs to the SMC3 subfamily of SMC proteins. The encoded protein occurs in certain cell types as either an intracellular, nuclear protein or a secreted protein. The nuclear form, known as structural maintenance of chromosomes 3, is a component of the multimeric cohesin complex that holds together sister chromatids during mitosis, enabling proper chromosome segregation. Post-translational modification of the encoded protein by the addition of chondroitin sulfate chains gives rise to the secreted proteoglycan bamacan, an abundant basement membrane protein. [provided by RefSeq, Jul 2008]

Locus ID:

9126

MW:

69.7