

Product datasheet for **RN202488**

Smc1b (NM_001130498) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smc1b (NM_001130498) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Smc1b
Synonyms:	Smc1l2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN202488 representing NM_001130498 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGCACCTTGAGTTGCTGCTCGTGGAGAATTTCAAGTCGTGGCGAGGCCGCCAGGTCATCGGCCCTT
TCAAGAGGTTACCTGTATCATCGGCCCAACGGCTCGGAAAGTCTAATGTAATGGATGCACCTTAGTTT
TGTAATGGGAGAAAAACAATAATTTAAGAGTAAAAACATTCAAGAATTATTCATGGAGCACACATT
GGAAAACCTGTTTCTTCTGCAAGTGTGACCATTATACGTAGAAGACAGTGGAGAAGAGAAAACAT
TCAACAAGGATTATCCGAGGGGGTGCTCAGAATTTCAATTTGGGGATAAACCTGTGAGTCGTTCTGTGTA
TGTAGCCAGTTGGAAAACATAGGCATAATAGTCAAAGCACAGAAGTGTCTAGTTTTTCAGGGAAGTGA
GAGTCAATATCCATGAAAAACCCAAAGAGAGAACCCAAATTTTTGAAGAAATCAGTACTTCAGGAGAGT
TTATAGGAGAATATGAGGCAAAGAAAAAGAGTTACAAAAAGCCGAGAAGATGCACAATTTCAATTTAA
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AGTCTCCTTGAAGAAATGAAAACAACAAGATACAAGTATGCTTTTCCAATATATTAAATGAGGAAA
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CGTGCATGGATTGCTTGAAGATAAAAAACAGCAAGAAGAGCCCTGATAAAAGAAATTGACAATACAAA
ATCAAGAATGCTGAAGTTAATGAAGAATTGAGTCTATTAGAAATGAATTGCAGAAATGCTGGAATTGAT
AACCATGAAGGAAAACGTCAGCGGAAAAGAGCAGAAGTCTCGAACACCTTAAAGACTTTACCCAGATT



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CTGTGTTTGAAGACTTCTTGATCTATGTCATCCTATTTCATAAGAAATACCAGCTGGCTGTGACTAAGCT
 TTTTGGCCGGTACATGGTTGCCATTGTTGTTGCCTCAGAAAAGGTAGCAAAAGATTGATTCGGTTTCTG
 AAGGAGGAAAGAGCTGAACCTGAGACATTCCTTGCTCTAGATTACCTTGATATCAAGCCAATCAATGAAC
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 ACAACATGTTAAACAGCAGCAAGAAAATGATCAAAAAAGATTAGAGTTTAAAAACAAAAACTCGGCT
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 ACAATCCAGAAGGCAGAGAAGACATTGATAACCTAAAGAAGACCGAAGAAGAGTGTCTGAAAATTTGTTG
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 GAAGTTGTAATCATTCAAGGTTCTTTGGAACAGAAAACAATAGAGAAGCATAACTTGCTCCTGGACTGCA
 AAGTTCAAGACATTGACATAAGTCTCATGCTGGGGTCAATGGAGGACATCATTGAAGTGGAGCTAACTGA
 AACAGAAAGTACCCAGGCAACGGCTGATATCTATGAAAAAGAAGCATCCATCCAATAGACTACAGCCCT
 CTAAAGGGAGGATTGGAAGGCTCTACAATCAGATAAAGGAGTGGAGGCCACCTCACACTCCTTCTACAGC
 AAGTAGCATCCCAAGAAAATACTCTACTGAAGACTGCAGCTCAAACCTGCGAGCACAGGAGAACTTAAA
 GGCTGTCAGAGACAAAATTTCAAGAATCTGCAGATGCTTTTGAGGCCAGCAGAAAGGAAGCCAGAATATGT
 AGGCAAGAGTTTGAACAGGTGAAAAGACGGAGGTACGATGCTTTTCAAGTCAAGTGTGTTTGGACACATCTCGG
 TCTCAATTGATCAATCTACAAGAAGCTCTGCAGGAACAACAGTCCCGAGCATTCTTAGCCAGAGAA
 CCCTGAAGAACCTTACTTAGATGGAATTAGCTATAATTGTGTGGCTCCAGGCAACCGTTTCATGCCTATG
 GACAACCTGTGAGGGGAGAAAAGTGTGTGGCTGCTCTGGCTCTTCTGTTTGTGTACACAGTTTTTCGAC
 CTGCTCCATTCTTTGATTAGATGAAGTAGATGCAGCCCTGGACAATACTAACATCGGCAAGTCTCAGG
 TTACATCAAAGAGCAGAGTCAGGAACAATTTAGATGATAATCATTCCCTGAAAGAGGAGTTTTACTCC
 AGAGCTGATGCACTGATAGGCGTCTACCCAGAGCAGATGAATGCATGTTTCAAGCATGTGTTGACTCTGG
 ACCTTTCCAAGTATCCAGACACTGAAGACCAAGAAGGCAGCAGGACCACCGAAACCCAGAGCACGAGT
 ATCACAGTCCCCGAGTCTCCCCAGTCTCGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_001130498

Insert Size:

3744 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:

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_001130498.1](#), [NP_001123970.1](#)

RefSeq Size: 4026 bp

RefSeq ORF: 3744 bp

Locus ID: 300121

Cytogenetics: 7q34