OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RN213612

Smc3 (NM_031583) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smc3 (NM_031583) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Smc3
Synonyms:	bamacan; Cspg6; SMC-3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN213612 representing NM_031583 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTACATCAAGCAGGTGATTATCCAGGGCTTCCGAAGTTACCGAGATCAAACAATTGTAGATCCCTTCA GTTCAAAACATAATGTTATTGTGGGCAGAAATGGATCTGGAAAAAGCAACTTTTTTTATGCAATCCAGTT TGTTCTCAGTGATGAATTTAGTCATCTTCGTCCAGAGCAGCGATTGGCTTTGTTGCACGAGGGTACAGGT CCTCGTGTTATTTCTGCTTTTGTGGAAATCATTTTTGACAATTCAGACAACCGGTTACCAATTGATAAAG AGGAAGTTTCGCTTCGAAGAGTTATTGGTGCCAAAAAAGATCAGTATTTCCTAGATAAGAAGATGGTCAC GAAAAATGATGTGATGAATCTCCTTGAAAGTGCTGGGTTTTCGAGAAGTAATCCTTATTACATTGTTAAA CAAGGAAAGATCAACCAAATGGCAACAGCACCGGATTCTCAGAGATTAAAGCTGTTGAGAGAAGTAGCTG GCACTCGAGTGTATGACGAGCGCAAAGAGGAAAGCATCTCCCTGATGAAAGAAACAGAGGGCAAACGGGA AAAGATCAATGAGTTGTTAAAATACATTGAAGAGCGATTACATACTCTAGAGGAGGAGAAGGAGGAACTG GCCCAGTATCAGAAGTGGGATAAAATGAGGCGTGCCCTGGAGTACACCATCTACAACCAGGAGCTCAACG AGACTCGCGCCAAGCTTGATGAGCTTTCTGCTAAGCGAGAAACAAGCGGAGAGAAATCCAGACAATTAAG AGATGCCCAGCAGGATGCAAGAGATAAAATGGAGGATATTGAGCGCCAAGTTAGAGAACTGAAAACAAAA ATTTCAGCCATGAAAGAAGAAAAAGAACAGCTCAGTGCGGAGAGACAAGAGCAGATTAAGCAAAGGACCA AGCTGGAGCTTAAAGCCAAGGACTTACAGGATGAGCTGGCAGGGAACAGTGAGCAGCGGAAACGTTTATT AAAAGAAAGACAGAAGCTGCTTGAAAAAATAGAAGAAAAGCAGAAAGAACTGGCAGAAACAGAACCGAAA TTCAACAGCGTAAAGGAAAAAGAAGAGCGAGGAATTGCTAGATTGGCTCAAGCTACACAGGAAAGAACTG ATCTTTATGCAAAGCAGGGTCGAGGAAGCCAGTTTACATCAAAAGAAGAAAGAGATAAGTGGATTAAGAA GGAACTGAAGTCTTTAGATCAGGCTATTAATGATAAGAAAAGACAGATTGCTGCTATACACAAGGATTTG GAGGATACCGAGGCCAATAAAGAGAAAAATCTGGAGCAATATAATAAACTGGATCAGGATCTCAATGAAG TCAAAGCTCGAGTTGAAGAACTGGACAGAAAATATTATGAAGTGAAAAATAAGAAAGATGAACTACAAAG TGAAAGAAATTACTTGTGGAGAGAGGAGAATGCAGAACAGCAAGCACTTGCCGCTAAGAGAGAAGACCTT GAGAAGAAGCAGCAGCTTCTTAGAGCGGCAACAGGAAAGGCCATTTTAAATGGAATCGACAGCATTAACA

View online »

AAGTGTTAGACCATTTCCGGCGGAAGGGTATAAACCAGCATGTGCAAAATGGCTACCATGGCATCGTGAT
GAATAACTTTGAGTGCGAACCAGCTTTCTATACTTGTGTGGAAGTCACTGCCGGTAACAGGTTATTCTAT
CACATTGTCGATTCAGATGAAGTCAGCACGAAGATCTTAATGGAGTTCAATAAAATGAATCTTCCTGGAG
AGGTGACTTTCCTGCCTCTTAACAAGTTAGATGTGAGGGACACTGCCTATCCTGAAACTAACGATGCTAT
TCCTATGATCAGTAAGCTGAGGTACAATCCCAGATTCGACAAAGCTTTCAAACATGTGTTTGGAAAGACA
CTCATCTGTCGGAGCATGGAGGTTTCCACTCAGCTAGCTCGTGCCTTCACTATGGACTGCATTACTCTGG
AAGGTGATCAAGTCAGCCATCGAGGTGCTCTGACTGGAGGCTATTACGACACAAGAAAGTCTCGCCTTGA
GTTACAGAAGGATGTTAGGAAAGCAGAGGAGGAGCTGGGTGAGCTCGAAGCTAAGCTCAATGAAAACCTG
CGCAGAAACATTGAAAGGATTAATAATGAAATTGATCAATTGATGAACCAAATGCAGCAGATAGAGACCC
AACAGAGAAAATTTAAAGCATCCAGAGATAGCATCTTATCAGAGATGAAGATGCTAAAAGAGAAGAGACA
GCAGTCAGAAAAGACCTTCATGCCAAAGCAACGCAGTTTGCAGAGTCTGGAGGCCAGTCTGCACGCTATG
GAGTCGACCAGAGAGTCGCTGAAGGCAGAGCTAGGGACAGATTTGCTCTCTCAGCTCAGCCTGGAAGACC
AGAAAAGAGTCGACGCACTGAATGACGAGATCCGGCAGCTTCAGCAGGAAAACAGACAGCTGCTGAATGA
AAGAATTAAACTAGAAGGCATTATTACTCGAGTAGAGACTTACCTCAATGAGAATCTGAGGAAACGTCTG
GACCAAGTAGAGCAGGAACTTAATGAACTGAGAGAGACAGAAGGTGGCACTGTTCTTACTGCCACCACGT
CAGAACTTGAAGCTATTAATAAAAGAGTGAAAGATACTATGGCAAGATCAGAAGATTTGGATAATTCCAT
TGACAAAACAGAAGCTGGAATTAAAGAGCTCCAGAAAAGCATGGAGCGCTGGAAGAACATGGAGAAGGAG
CACATGGATGCCATAAATCACGACACTAAAGAGCTGGAGAAGATGACCAACCGACAGGGCATGCTGTTGA
AGAAGAAAGAGGAGTGCATGAAGAAGATCCGAGAGCTGGGGTCCCTTCCCCAGGAAGCATTTGAAAAGTA
CCAGACACTGAGCCTGAAGCAGTTGTTTCGGAAACTTGAGCAGTGCAACACAGAGTTGAAGAAGTACAGC
CATGTCAACAAGAAGGCTCTGGACCAGTTTGTGAATTTCTCTGAGCAGAAGGAGAAACTGATAAAGCGAC
AGGAAGAATTGGACAGGGGCTACAAGTCAATCATGGAGTTGATGAATGTACTCGAACTTAGAAAATATGA
AGCTATCCAGTTAACCTTCAAACAGGTATCTAAGAACTTTAGTGAAGTTTTCCAGAAGTTGGTACCTGGG
GGAAAAGCGACCTTGGTGATGAAGAAAGGAGACGTGGAGGGCAGCCAGTCTCAGGACGAAGGAGAGGGGA
GCGGCGAGAGCGAGAGGGGCTCTGGGTCACAAAGCAGCGTTCCATCAGTTGACCAGTTCACAGGAGTCGG
GATCAGGGTATCATTTACAGGAAAGCAAGGCGAGATGAGAGAAATGCAGCAGCTTTCAGGAGGGCAGAAG
TCTCTGGTAGCCCTTGCTCTCATTTTTGCCATTCAGAAGTGTGACCCTGCTCCTTTCTACCTGTTTGATG
AGATCGACCAAGCTTTGGATGCTCAGCACAGAAAAGCTGTGTCAGATATGATTATGGAACTAGCTGTACA
CGCCCAGTTTATCACTACCACTTTTAGGCCTGAACTGCTTGAGTCTGCTGATAAATTCTACGGTGTAAAG
TTCAGAAATAAGGTTAGTCACATCGACGTGATCACAGCAGAGATGGCCAAAGACTTTGTAGAAGACGATA
CCACGCATGGTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_031583

Insert Size: 3654 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_031583.2, NP_113771.2
RefSeq Size:	4158 bp
RefSeq ORF:	3654 bp
Locus ID:	29486
Cytogenetics:	1q55
Gene Summary:	core protein of a chondroitin sulfate proteoglycan that is a component of basement membranes [RGD, Feb 2006]