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Product datasheet for SC318052

Scc4 (MAU2) (NM_015329) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scc4 (MAU2) (NM_015329) Human Untagged Clone
Tag:	Tag Free
Symbol:	Scc4
Synonyms:	KIAA0892; mau-2; MAU2L; SCC4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>SC318052 representing NM_015329.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGCTCAGGCGGCGGCAGCGGCCCAGGCGGCGGCGGCCCAGGCTGCGCAGGCCGAGGCGGCCGAC
TCGTGGTACCTGGCGCTTCTGGGCTTCGCTGAGCACTTCCGCACTTCCAGCCCGCCCAAAATCCGCCTG
TGCGTGCACTGCCTGCAGGCCGTGTTCCCCTTCAAGCCGCCGCAGCGCATCGAGGCCCGTACACACCTG
CAGCTGGGCTCCGTTCTCTATCACCACACCAAGAACAGCGAGCAGGCGCGCAGCCACCTGGAGAAGGCG
TGGTTGATATCACAGCAAATCCCGCAGTTCGAAGATGTTAAATTTGAAGCAGCAAGTCTGTTGTCTGAA
TTGTACTGTCAAGAGAATTCCGTTGATGCAGCAAAGCCGCTGCTGCGGAAGGCGATCCAGATCTCACAG
CAGACCCCATATTGGCACTGCCGCCTGCTCTTCCAGCTCGCTCAACTGCACACGCTTGAGAAGGACCTG
GTGTCGGCCTGTGACCTCCTGGGTGTAGGGGCCGAGTACGCCCGGGTGGTGGGATCTGAATACACACGG
GCGCTGTTCCTCCTCAGCAAGGGGATGCTGCTGCTGATGGAGCGAAAGCTGCAGGAGGTGCACCCGCTG
CTGACCCTCTGCGGGCAGATCGTGGAGAACTGGCAGGGGAACCCCATCCAGAAGGAGTCGCTGCGTGTC
TTCTTCCTGGTGCTCCAGGTCACCCACTATCTGGATGCCGGGCAGGTGAAGAGCGTGAAGCCGTGTCTG
AAGCAGCTGCAGCAGTGCATCCAGACCATCTCCACACTGCACGATGATGAGATCCTGCCCAGCAACCCC
GCTGACCTCTTCCACTGGCTGCCCAAGGAGCACATGTGTGTGCTTGTCTACCTGGTGACTGTGATGCAC
TCCATGCAGGCCGGCTACCTGGAGAAGGCGCAGAAGTACACGGACAAGGCCCTCATGCAGCTGGAGAAG
CTCAAGATGCTGGACTGCAGCCCCATCCTGTCATCCTTCCAAGTGATCCTGCTGGAGCACATCATCATG
TGCCGCCTTGTCACGGGTCACAAGGCCACGGCGCTGCAGGAGATCTCCCAGGTCTGCCAGCTGTGCCAG
CAGTCCCCCCGGCTCTTCTCCAACCATGCAGCACAGCTGCACACATTGCTGGGCCTGTACTGTGTCTCT
GTCAACTGCATGGACAACGCGGAAGCCCAGTTCACCACGGCCCTGCGGCTCACCAACCACCAGGAGCTG
TGGGCCTTCATCGTCACCAACCTGGCGAGTGTGTATATACGGGAAGGAAATAGACACCAAGAGGTACTC
TACAGTCTGCTGGAGAGGATCAACCCGGACCACAGCTTCCCTGTCAGCTCGCACTGCCTCCGAGCAGCC
GCCTTCTATGTGCGTGGGCTCTTCTCCTTCTTCCAGGGACGCTACAACGAGGCCAAGCGATTTCTGCGG
GAAACTCTGAAGATGTCCAATGCTGAGGACCTGAACCGGCTCACAGCCTGCTCCCTCGTGCTTCTGGGC
CACATCTTCTATGTGCTGGGAAACCACAGGGAGAGTAACAACATGGTGGTGCCTGCCATGCAGCTCGCC
AGCAAGATCCCGGACATGTCGGTACAGCTGTGGTCGTCAGCACTGCTGAGAGACCTGAATAAAGCCTGT
GGGAACGCCATGGATGCCCATGAAGCCGCCCAGATGCACCAGAACTTCTCGCAGCAGCTGCTCCAGGAC
CACATTGAGGCCTGCAGCCTCCCCGAACACAACCTCATCACGTGGACAGACGGTCCACCCCCCGTGCAG
TTCCAAGCTCAGAATGGACCCAACACCAGCCTGGCCAGCCTCCTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_015329

Insert Size: 1842 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).

OTI Annotation: 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.

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).

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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_015329.3
RefSeq Size:	4853 bp
RefSeq ORF:	1842 bp
Locus ID:	23383
UniProt ID:	Q9Y6X3
Cytogenetics:	19p13.11
Protein Families:	Secreted Protein
MW:	69.1 kDa
Gene Summary:	Plays an important role in the loading of the cohesin complex on to DNA. Forms a heterodimeric complex (also known as cohesin loading complex) with NIPBL/SCC2 which mediates the loading of the cohesin complex onto chromatin (PubMed:28167679, PubMed:22628566). Plays a role in sister chromatid cohesion and normal progression through prometaphase (PubMed:16802858, PubMed:16682347).[UniProtKB/Swiss-Prot Function]

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