

Product datasheet for MC223972

Srcin1 (NM_018873) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Srcin1 (NM_018873) Mouse Untagged Clone
Tag: Tag Free
Symbol: Srcin1
Synonyms: mKIAA1684; P140; p140Cap; SNIP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223972 representing NM_018873
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGAACGCTCCGTCCAAGATCCGGAGCGGAGCAGCCCCCATGCTGTCTGCAGACGATGCCGAGT
 ACCCTCGGGAGTACCGACCCTGGGGGTGGGGCGGAGGTGGCAGCGGGGGCCGGCGCTTCTCAAAGT
 GGGGCTGGTGCACACCTCGGAGCGCCGGCACACGGTGATCGCTGCCAGAGCCTGGAGGCCCTCAGCGGG
 CTCCAGAAAGCGGATGCTGACCGCAAGCGAGATGCGTTTCATGGACCACCTGAAGAGCAAGTACCCTCAGC
 ACGCCCTGGCCCTGCGAGGTGAGCAGGACAGGATGCGGAGAACAGGTGCGCGGCTGGACCGTGGACCCCTG
 GTGCCTCCTCAGCTCCCTCTGTTCCACCTCCACGGCGACTCCACCCCTCAGGGGCTGGCCAGCCTGCC
 CAGCAACCAAACACTACTGGAGTTTCAAGACCCGAGCTCGCGCCATACTCAGGGAGCCAGCCAGGGCTAG
 CAGACCAGGCAGCAAGCTGTCTACGCCTCGGCTGAGTCGTTGGAGACAATGTCCGAGGCCGAGCTGCC
 CCTGGGCTTCAGCAGGATGAACCGCTTCCGACAGAGCTTGCCCTCTCCCGCTCTGCCAGCCAGACCAAG
 CTGCGCTCACCAGGGTCTGTTCCTGCAGTTTGGAGAGGAGACAGCAGTGTACACATCACGCATGAGG
 TCAGCAGCTTGGACAGCTGCACGCACTCATCGGCACATGTTCCCTCAGAAGCTCACCATGGGCTGCT
 TAAGTCGCCAACACCGCCATCCTCATCAAGGACGAGGCTCGCAATGTCTTCTACGAGCTGGAAGACGTC
 CGGGATATCCAAGACCGAAGTATCATTAAAGATCTATAGGAAGGAGCCGTTGTATGCTGCTTTTCCTGGCT
 CACACCTACCAACGGTGACCTCCGGAGAGAAATGGTTTACGCGTCGCGGGAGTCGTCGCCACGCGGCG
 CCTCAACAACCTGTGCGCCGCATCGCACCTAGCATCTAGCTCCCCGCTCCAGGGCTGCCATCGGGGCTG
 CCTTCGGGACTGCCATCGGGCTCGCCTTCGCGTTCACGCCTCTCCTATGCTGGGGCCGGCCGCTCTT
 ACGCCGGCAGCCCGGTGCACCACGCGGCTGAGCGACTGGGAGGCGCCCGACCGGCCAGGGCGTGAGCCC
 CAGCCCCAGCGCCATCCTGGAGCGGCGGACGTGAAGCCAGATGAGGACCTGGCGGGCAAGGCTGGCGGC
 ATGGTGTGGTGAAGGGGAGGGCTCTATGCCGATCCCTACGGGCTGCTGCACGAGGGCGCTGAGCC
 TGGCCCGCGGGGAGACCCATTTCGATACCGGGCGCGGGCGCTTGTACAAGCGGGGTTCCGTGCG
 CTCTCTCAGCACCTACTCGCTGCGCGCTGCAGTCCGACCTGGAGGACTCGCTGTACAAGCGGGCGCT
 GGCGGCCGCTCTACGGAGACGGCTATGGCTTCGCTGCGCCCTCGTCCCCGAGAAGCTGGCCGACG



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TCTCGGGCCCTCCGGGGACCTCCACCCCGCACAGCCCTACTCCGGGCCACCCAGCCGGGCTCGCC
 GGTGCGCCAGTCTTCCGCAAAGATTCGGGCTCCTCGTCGGTCTTTGCTGAGAGTCTGGAGGCAAGGCC
 CGCAGCACCGGAGTGCTCCACGGCCGGAGCACCACCTTCTGAACTCTTCCCTGGACCTGGGGAGCGCT
 CCCTTGTAGGGTTCGGGCCGCCGGTGCCAGCCAAAGACACAGAGACCAGGGAACGCATGGAGGCTATGGA
 GAAGCAGATTGCCAGCCTCACTGGCCTAGTACAGAGTGCCTACTGCGAGGCTCAGAGCCGGAGACCCCA
 AGTGAGAAGGTTGAAGGCTCCAATGGAGCAGCCACTCCCTCAGCACCAGTGTGTGGTCAAGGCAAGCA
 GTAGCGGGGCACTCCGGTGTCCGGGCCCTCCCGCCCTCGGCCAGCAGCACCCCTGCAGGGCAGCCAC
 TGCTGTACAGCCGTGTCAGATGCAGCTGCATCTGCGTGGCTACAGAACAGCGCTAGCGACCTGCGTGGC
 CAGCTTACAGCAGCTGCGCAAGCTCCAGTCCAGAACAGGAGTCCGGTGCAGCGCTGCTGAAGCGCACCG
 AGGCGGAGCTGAGCATGCGCGTGTCCGAGGCGCGCGCGGCAGGAGGACCCGCTGCAGCGGCAGCGCAC
 CCTGGTGGAGGAGGAGCGTTTGCCTTACCTCAACGACGAGGAGCTCATTACTCAGCAGCTCAATGACCTC
 GAGAAGTCAGTGGAGAAGATCCAGAGAGACGTGGCCATAAACCACCGGCTAGTCCCGGCTCTGAGTTGG
 AAGAGAAGGCGCTGGTGTGAAGCAGCTTGGGAGACGCTGACGGAGCTCAAGGCTCATTCCCAGGCCCT
 GCAGAGTAAGATCGGGTGGTGTGCGCGTGGAGTGGAGGCAGTGAAGTTCCTGAAGGAGAACCTCAA
 CGCCTTGACGGGCTCCTCAAGCGCTGCCGGGGGTCACTGACACGCTGGCCAGATCCGAAGGCAAGTGG
 ATGAGGGTATGTGGCCCCCCCCAAACCTCCTGAACCAAGTCCCCAAGAGGTGGCAGCTGAAACCGA
 CTTGAGCAAGGCTTGGATTTTGAATACCACCCCGAGTCTCCTCACTGAATCTTACAGAGCTGAGTGGAA
 CCTGCCAAGGCACCCCTCTCACCCAAAGAGCACTAACCCACCAAAGGCTGGATGCTTCCAGCAAGA
 GAAACACGGACAAGGCTGTGTCTGTTGAGGCTGCGGAGAGAGACTGGGAAGAGAAGCGGGCAGCCCTGAC
 CCAGTACAGCGCCAAGGACATCAACCGGCTGTGGAAGAGACCCAGGCTGAGCTGCTCAAGGCTATCCCT
 GACCTGGACTGTGCCAGCAAGACCCACCCAGGCCCTGCTCCACTCCAGACCACAAGCCCCCTAAGGCAC
 CCCATGGTCAGAAGGCAGCTCCCGGACAGAGCCAGTGGGAGAAGAGGATCAGATGAGCTCACAGTGGC
 CCGATACCGCACAGAGAAGCCCTCAAGTCAACCCCGCCACCCCTCCCGCCGGAGCTTCCCTTCCCTCC
 CATGGCCTGACCACAACACGCACTGGAGAAGTGGTGGTCAACAGTAAAGAAAGACTCAGTCTTCATCAAGA
 AGGCTGAGTCCGAGGAGCTAGAGGTCCAGAAGCCCAAGTGAAGCTGCGCCGTGCTGTGTCTGAGGTGGT
 CCGCCCCGCATCCACGCCGCCATTATGGCCTCTGCCATCAAGGACGAGGACGACGAGGAGAGGATCATT
 GCTGAGCTGGAGAGTGGTGGTAGCAGCGTGCCACCCATGAAGGTGGTACTCCCGGAGCCTCGAGGCTGA
 AGGCGGCCAGGGCCAGCAGGCAGCCCTGATAAAGGCAAACATGGCAAGCAACGAACGGAATACATGAG
 GATCCAGGCCAGCAGCAGGCCACTAACCATCTAAAGAGGTGAGCGGTCCGAATGAGACCTCAAGCCCC
 GGCTCAGAAAAGCCCTCTGGTTCAGAACCTCCATCCCTGTATTGACTTCTTTGGGCAAGGAATTCTT
 CCATCTCCTTAG

ACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
 TTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-NotI
 ACCN: NM_018873
 Insert Size: 3654 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_018873.2](#), [NP_061361.2](#)

RefSeq Size: 6965 bp

RefSeq ORF: 3654 bp

Locus ID: 56013

UniProt ID: [Q9QWI6](#)

Cytogenetics: 11 D

Gene Summary: Acts as a negative regulator of SRC by activating CSK which inhibits SRC activity and downstream signaling, leading to impaired cell spreading and migration. Regulates dendritic spine morphology. Involved in calcium-dependent exocytosis. May play a role in neurotransmitter release or synapse maintenance (By similarity).[UniProtKB/Swiss-Prot Function]