

Product datasheet for RC216673

SNAP25 Interacting Protein (SRCIN1) (NM_025248) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNAP25 Interacting Protein (SRCIN1) (NM_025248) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SNAP25 Interacting Protein
Synonyms:	P140; SNIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC216673 representing NM_025248 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGAACGCTCCGTCCCAAGATCCGGAGCGGAGCAGCCCCCATGCTGTCTGCGGACGATGCGGAGT
ACCCGCGGGAGTACCGGACCCTGGGGGGCGGGGGCGGGGGCAGCGGGGGCGGGCGCTTCTCCAACGT
GGGGCTGGTGCACACGTCCGAGCGGGCGGCACACGGTATCGCGGCCAGAGTCTGGAGGCGCTCAGCGG
CTCCAGAAGGCGGACGCCGACCGCAAGCGTGATGCCTTCATGGACCCTGAAGAGCAAGTACCCACAGC
ACGCCCTGGCCCTGCGAGGCCAGCAGGACAGGATGCGAGAGCAGCCAACTACTGGAGTTTCAAGACCCG
CAGCTCACGCCACTCAGGGAGCCAGCCCGGGCTGGCAGACCAGGCGGCAAAGCTGTCTACGCCCTCC
GCCGAGTCTGAGACCATGTCGGAGGCCGAGCTGCCCTGGGTTTTCAGCAGGATGAACCGCTTCCGAC
AGAGCCTGCCTCTCTCCCGCTCGGCCAGCCAGACCAAGCCGCGCTCCCCAGGGGTGCTGTTCTGCAAGT
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ACGAGGCTCGCAACGTCTTCTACGAGCTGGAGGACGTCCGGGACATCCAGGACCGCAGTATTATCAAGT
CTACAGAAAGGAGCCCTCTACGCTGCCTTCCCTGGCTCACATCTACCAACGGGGACCTCCGGAGAGAG
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CATCCGGCTCGCCGCGCCCGGGCTGCCGTGGGGCTGCCGTCCGGGCTGCAAGTCCGGTTCCGCGTCCG
TTCGCGCTATCGTACGCGGGGGCGCCGCCTTCGTACGCGGCGAGCCCGGTGCACCACGCGGCGGAG
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TGAAGCCGACGAGGACCTGGCGAGCAAGCGGGCGGCATGGTGTGGTAAAGGCGAGGGCCTCTATGC
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CCGCACAGCCCCTACTCGGGGCCGCCAGCCGCGGCTCGCCAGTGCGCCAGTCTTCCGCAAGGACTCGG
GCTCCTCGTCCGTCTTTGCCGAGAGTCTTGAGGGAAGACCCGCAGCGCGGGGAGCGCCTCGACGGCCGG
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ACGCGTACGCGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC216673 representing NM_025248
Red=Cloning site Green=Tags(s)

MGNAPSQDPERSSPMLSADDAEYPREYRTLGGGGGGSGGRRFSNVGLVHTSERRHTVIAAQSLEALSG
 LQKADADRKRDAFMDHLKSKYPQHALALRGQQDRMREQPNYWSFKTRSSRHTQGAQPLADQAAKLSYAS
 AESLETMSEAEPLGF SRMNRFRQSLPLSRASQTKPRSPGVLFLQFGEETRRVHI THEVSLDTLHALI
 AHMFPOKLTMGMLKSPNTAILIKDEARNV FYELEDVVDIQDRSIIKIYRKEPLYAAFP GSHLTNGDLRRE
 MYYASRESSPTRRLN NLSAPHLASGSPPPGLPSGLPSGLQSGSPSRRLSYAGGRPPSYAGSPVHAAE
 RLGGA PAAQGVSPSPA ILEERRDVKPEDLASKAGGMVLVKGEGLYADPYGLLHEGRLSLAAAAGDPFAY
 PGAGGLYKRGSVRSLSTYSAAALQSDLEDSL YKAAGGGGPLYGDGYGFR LPPSSPQKLADVAAPGGPPP
 PHSPYSGPPSRGSPVRQSF RKDSGSSSVFAESPGGKTR SAGSASTAGAPPELFP GPGERSLVGFPPVP
 AKDTETREMEAMEKQIASLTGLVQSALLRGSEPETPSEKIEGSNGAATPSAPCGSGGRSSGATPVSGPP
 PPSASSTPAGQPTAVSRLQMLHLRGLQNSASDLRGQLQLRKLQLQNQESVRALLKRTEAELSMRVSEA
 ARRQEDPLQRQRTLVEERLRYLNDEELITQQLNDLEKSVEKIQRDVSHNHRLVPGPELEEKALVLKQLG
 ETLTELKAHFPLQSKMRVVL RVEVEAVKFLKEEPQR LDGLLKRCRGVDTLAQIRRVQDEGVWPPPNL
 LSQSPKVT AETDFNKSVDFEMPPPSPPLNLHEL SGPAEGASLTPKGGNPTKGLDTPGKRSVDKAVSVEA
 AERDWE EKRAAL TQYSAKDINR LLEETQAELLKAI PDLDCASKAHPGAPTPDHKPPKAPHGQKAAPRTE
 PSGRRSDELTPRYRTEKPSKPPPPRRSPSSHGLTTTRTGEVVVTSKKDSAFIKKAESEEELEVQK
 PQVKLRRAVSEVARPASTPPIMASAIKDEDEDRIIAELES GGGSVPPMKVVTPGASRLKAAQGGQAGSPD
 KSKHGKQRAEYMRIQAQQQATKPSKEMSGSNETSSPVSEKPSASRTSIPVLT SFGARNSSISF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8017_h10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

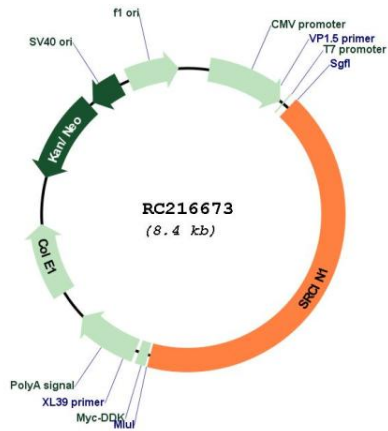


ACCN: NM_025248

ORF Size: 3549 bp

OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_025248.1 , NP_079524.1
RefSeq Size:	4127 bp
RefSeq ORF:	3552 bp
Locus ID:	80725
UniProt ID:	Q9C0H9
Cytogenetics:	17q12
MW:	126.9 kDa
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.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC216673