

Product datasheet for **SC126727**

SNF5 (SMARCB1) (NM_003073) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNF5 (SMARCB1) (NM_003073) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNF5
Synonyms:	BAF47; CSS3; hSNFS; INI1; MRD15; PPP1R144; RDT; RTPS1; Sfh1p; SNF5; SNF5L1; Snr1; SWNTS1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC126727 sequence for NM_003073 edited (data generated by NextGen Sequencing)

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ATGATGATGATGGCGCTGAGCAAGACCTTCGGGCAGAAGCCCCTGAAGTTCAGCTGGAG
GACGACGGCGAGTTCTACATGATCGGCTCCGAGGTGGGAACTACCTCCGTATGTTCCGA
GGTTCTCTGTACAAGAGATACCCCTCACTCTGGAGGCGACTAGCCACTGTGGAAGAGAGG
AAGAAAATAGTTGCATCGTCACATGGTAAAAAACAACCTAACACTAAGGATCACGGA
TACACGACTCTAGCCACCAAGTGTGACCCTGTTAAAGCCTCGGAAGTGAAGAGATTCTG
GATGGCAACGATGAGAAGTACAAGGCTGTGTCCATCAGCACAGAGCCCCACCTACCTC
AGGGAACAGAAGGCCAAGAGGAACAGCCAGTGGGTACCCACCCTGCCAACAGCTCCAC
CACTTAGATGCCGTGCCATGCTCCACAACCATCAACAGGAACCGCATGGGCCGAGACAAG
AAGAGAACCTTCCCCCTTTGCTTTGATGACCATGACCCAGCTGTGATCCATGAGAACGCA
TCTCAGCCCGAGGTGCTGGTCCCATCCGGCTGGACATGGAGATCGATGGGCAGAAGCTG
CGAGACGCCTTACCTGGAACATGAATGAGAAGTTGATGACGCCTGAGATGTTTTAGAA
ATCCTCTGTGACGATCTGGATTTGAACCCGCTGACGTTTGTGCCAGCCATCGCCTCTGCC
ATCAGACAGCAGATCGAGTCCTACCCACGGACAGCATCCTGGAGACCAGTCAGACCAG
CGCGTCATCATCAAGCTGAACATCCATGTGGGAAACATTTCCCTGGTGGACCAGTTTGAG
TGGGACATGTGAGAGAAGGAGAACTCACCAGAGAAGTTTGGCCTGAAGCTGTGCTCGGAG
CTGGGGTTGGGCGGGGAGTTTGTACCACCATCGCATACAGCATCCGGGGACAGCTGAGC
TGGCATCAGAAGACCTACGCCTTACGCGAGAACCCTCTGCCACAGTGGAGATTGCCATC
CGGAACACGGGCGATGCGGACCAGTGGTGGCCACTGCTGGAGACTCTGACAGACGCTGAG
ATGGAGAAGAAGATCCGCGACCAGGACAGGAACACGAGGCGGATGAGGCGTCTTGCCAAC
ACGGCCCCGGCCTGGTAA

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Clone variation with respect to NM_003073.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003073 unedited
 AATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTGAGGCGCCAG
 TACCCGGCCCGGTCCGCATTTCCGCTTCCGGCTTCGGTTTCCCTCGGCCAGCACGCCCC
 GGCCCCGCCCCAGCCCTCTGATCCCTCGCAGCCCGGCTCCGGCCGCCCCGCTCTGCCGC
 CGCAATGATGATGATGGCGCTGAGCAAGACCTTCGGGCAGAAGCCCGTGAAGTTCAGCT
 GGAGGACGACGGCGAGTTCTACATGATCGGCTCCGAGGTGGGAACTACCTCCGTATGTT
 CCGAGGTTCTCTGTACAAGAGATACCCCTCACTCTGGAGGCGACTAGCCACTGTGGAAGA
 GAGGAAGAAAATAGTTGCATCGTCACATGGTAAAAAACAACCTAACACTAAGGATCA
 CGGATACACGACTCTAGCCACCAGTGTGACCCTGTTAAAAGCCTCGGAAGTGAAGAGAT
 TCTGGATGGCAACGATGAGAAGTACAAGGCTGTGTCCATCAGCACAGAGCCCCCACCTA
 CCTCAGGGAACAGAAGGCCNNNAGGAACAGCCAGTGGGTACCCACCCTGCCAACAGCTC
 CCACCCTTAGATGCCGTGCCATGCTCCACAACCATCAACAGGAACCGCATGGGCCGAGA
 CAAGAGAGAACCTTCCCCCTTGTNTGATGACCATGACCAGCTGTGATCCATGAGAAC
 GCATCTCAGCCCCGAGTCTGGTCCCCCATCCGCTGGACATGGAGATCGATGGGCAGAAG
 CTGCGAGACGCCCTCACCTGGACATGAATGAGAAGTTGATGACGCCTGAGATGTTTTTCAG
 AATCCTCTGTGACGATCTGGATTGAACCCGCTGACGTTTGTGCN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003073 unedited
 GCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTGTGAAGAAAATTGAACATGA
 CCTGTTGCCTTTTATTTAAAACTGTTACTAGCCCTGCCTGGGGCTCCTATACAAAAACA
 AAACACAACCTAAATAAGGTTTCTTCCCTGACCCAAAAACTGGGGAGGGGTAGGGAGGG
 TGGNGTCCCCCCCCCCCCCTCCCCCCCCCCCCCCCCCTTCCCTCCCCCCCCCCCCCT
 CCCCCCTCCCCCCCCCTTCCCCCTTCTTCCCCCTCTTCCCCCTTCCCTTCCCCCCCCCT
 CCCCCCTCTCTTCCCCCTCCCCCCCCCTCCCCCTTCCCTCCTTCCCTCCCCCTCCT
 CCCCCCTCCCCCTCCCCCTCCTCCCCCCCCCTCCCCCCCCCTCCCCCTTCCCTCCCT
 TCCCCCCCCCCCCCCCCCTCCCCCCCCCTTCTCCCCCTCCTCCTTCTCCTCC
 CCTCCTCCCCCTCCCCCTTCCCCCTTCCCCCTTCCCCCTTCCCCCTTCCCCCTTCCCCCT
 TCCCCCTCCCCCGTTCCCTACCCATTCCCCCCCCCCCCCCCCCGCTTCCCTTCCCC
 CTCTCCCCCTCCCTTCCCTTCTCCCCCCCCCTCCGGTCTTCCCCCCCCCTCCATCCCTTCC
 CCTTCCCCCCCCCGCCCCCTCCGTCTCCCTCCTCCTCCTCCCCCTCCCCCTCCCTTCC
 CCTTCTCCTTCCCCCTCCTTTTTCCCCCTTCCCCCGTCTTCCCCCGTCTTCCCCCGTCT
 TCCCCCGTCCCCCTTCCGTCCCTCCCCCCCCGTCTCCCTTCCCCCTTCCCCCTTCCCC
 CCCCTTCTCCCCCCCCCTG

Restriction Sites:

NotI-NotI

ACCN:

NM_003073

Insert Size:

1710 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_003073.3](#), [NP_003064.2](#)

RefSeq Size: 1717 bp

RefSeq ORF: 1158 bp

Locus ID: 6598

UniProt ID: [Q12824](#)

Cytogenetics: 22q11

Domains: SNF5

Protein Families: Transcription Factors

Gene Summary: The protein encoded by this gene is part of a complex that relieves repressive chromatin structures, allowing the transcriptional machinery to access its targets more effectively. The encoded nuclear protein may also bind to and enhance the DNA joining activity of HIV-1 integrase. This gene has been found to be a tumor suppressor, and mutations in it have been associated with malignant rhabdoid tumors. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2015]
Transcript Variant: This variant (1) encodes isoform a.