

Product datasheet for **RG217885**

SNF5 (SMARCB1) (NM_001007468) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNF5 (SMARCB1) (NM_001007468) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SMARCB1
Synonyms:	BAF47; CSS3; hSNFS; INI1; MRD15; PPP1R144; RDT; RTPS1; Sfh1p; SNF5; SNF5L1; Snr1; SWNTS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG217885 representing NM_001007468 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGATGATGGCGCTGAGCAAGACCTTCGGGCAGAAGCCCGTGAAGTCCAGCTGGAGGACGACGGCG
AGTTCTACATGATCGGCTCCGAGGTGGGAACTACCTCCGTATGTTCCGAGGTTCTCTGTACAAGAGATA
CCCCTCACTCTGGAGGCGACTAGCCACTGTGGAAGAGAGGAAGAAAATAGTTGCATCGTCACATGATCAC
GGATACACGACTCTAGCCACCAGTGTGACCCTGTTAAAAGCCTCGGAAGTGAAGAGATTCTGGATGGCA
ACGATGAGAAGTACAAGGCTGTGCCATCAGCACAGAGCCCCCACCTACCTCAGGGAACAGAAGGCCAA
GAGGAACAGCCAGTGGGTACCCACCCTGCCAACAGCTCCACCACCTTAGATGCCGTGCCATGCTCCACA
ACCATCAACAGGAACCGCATGGGCCGAGACAAGAAGAGAACCTTCCCCCTTTGCTTTGATGACCATGACC
CAGCTGTGATCCATGAGAACGCATCTCAGCCCGAGGTGCTGGTCCCATCCGGCTGGACATGGAGATCGA
TGGGCAGAAGCTGCGAGACGCCTTACCTGGAACATGAATGAGAAGTTGATGACGCCTGAGATGTTTTCA
GAAATCCTCTGTGACGATCTGGATTTGAACCCGCTGACGTTTGTGCCAGCCATCGCCTCTGCCATCAGAC
AGCAGATCGAGTCTACCCACGGACAGCATCCTGGAGGACCAGTCCAGACCAGCGGTCATCATCAAGCT
GAACATCCATGTGGAAACATTTCCCTGGTGGACCAGTTTGTAGTGGGACATGTCAGAGAAGGAGAAGTCA
CCAGAGAAGTTTGCCTGAAGCTGTGCTCGGAGCTGGGGTTGGCGGGGAGTTTGTACCACCATCGCAT
ACAGCATCCGGGGACAGCTGAGCTGGCATCAGAAGACCTACGCCCTCAGCGAGAACCCTCTGCCACAGT
GGAGATTGCCATCCGGAACACGGGCGATGCGGACCAGTGGTCCCACTGCTGGAGACTCTGACAGACGCT
GAGATGGAGAAGAAGATCCGCGACCAGGACAGGAACACGAGGCGGATGAGGCGTCTTGCCAACACGGCCC
CGGCTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG217885 representing NM_001007468
 Red=Cloning site Green=Tags(s)

MMMALSKTFGQKPVKVFQLEDDGEFYMIGSEVGNLYRMFRGSLYKRYPSLWRRLATVEERKKIVASSHDH
 GYTTLATSVTLKASEVEEILDGNDEKYKAVSISTEPPTYLREQKAKRNSQWVPTLPNSSHHLDAVPCST
 TINRNRMRDCKRRTFPLCFDDHDPVAVIHENASQPEVLVPIRLDMEIDGQKLRDAFTWNMNEKLMTPMF
 EILCDDLNLNPLTFVPAIASAIRQQIESYPTDSILEDQSDQRVVIKLNHIVGNISLVDQFEWDMSEKENS
 PEKFALKLCELGLGGEFVTTIAYSIRGQLSWHQKTYAFSENPLPTVEIAIRNTGDADQWCPLLETLTDA
 EMEKKIRDQDRNTRRRMRLANTAPAW

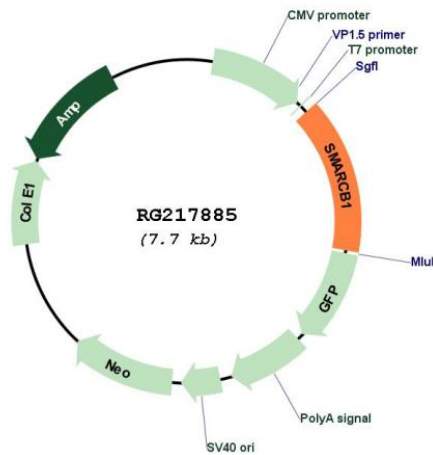
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001007468

ORF Size:	1128 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_001007468.3
RefSeq Size:	1690 bp
RefSeq ORF:	1131 bp
Locus ID:	6598
UniProt ID:	Q12824
Cytogenetics:	22q11
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]