

Product datasheet for RC226308

SMARCA1 (NM_139035) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMARCA1 (NM_139035) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SMARCA1
Synonyms:	ISWI; NURF140; SNF2L; SNF2L1; SNF2LB; SNF2LT; SWI; SWI2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC226308 representing NM_139035 Red=Cloning site Blue=ORF Green=Tags(s)

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GCCGCGATCGCC

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TGCTGGATATTTTGAAGATTATTGCATGTGGCGTGGTTATGAGTATTGTGCGACTGGATGGACAAACCCCGCATGAAGAAAGAGAGGAAGCAATAGAGGCTTTTAAATGCTCCTAATAGTAGCAAATTCATCTTTATGCTAAGTACCAGGGCTGGAGGTCTCGGAATTAACCTGGCAAGTGTGATGTGGTTATACTATATGATTACAGACTGGAACCCACAGGTTGATCTACAAGCTATGGATCGAGCACATCGTATTGGTCAGAAGAAACAGTACGTGTATTCCGCTCATCACTGACAACACTGTTGAAGAGAGGATTGTAGAAGAGCTGAGATAAACTGAGACTGATTC AATTGTTATACAACAAGGAAGACTCATTGACCAACAGTCTAACAAGCTGGCAAAAAGAGGAAATGTACAAAATGATACGGCATGGAGCCACCCATGTTTTGCTTCTAAAGAGAGTGAGTTGACAGATGAAGACATACAACTATTCTGGAAAGAGGGGAAAAGAAGACTGCAGAGATGAATGAACGCCTGCAAAAAATGGGAGAGTCTTCTCTAAGAAATTTAGAATGGACATTGAACAAAGTTTATACAAATTTGAGGGAGAAGATTATAGAGAAAAACAGAAGCTTGGCATGGTGAATGGATTGAACCTCCTAAACGAGAACGCAAAGCAAACACTACGCAGTGGATGCCTACTTTAGAGAGGCTTTGCGTGTGAGCGAGCCAAAGATTCCAAAGGCTCCACGGCCTCCAAAA CAGCCAAATGTTCCAGGATTTTCAATTTTCCACCACGCTTATTTGAGCTCTGGAAAAGGAAATTTCTTTATTATCGGAAGACAATAGGCTATAAGGTTCCAAGGAATCTGATATCCAAATCCAGCTCTGGCTCAAAGAGAAGAGCAAAAAAGATTGATGGAGCTGAACCTTTACACCAGAAGAGACTGAAGAAAAGGAAAACTTCTCACACAAGGTTTCACAACTGGACTAAACGAGATTTTAAACAGTTTATTAAGCTAATGAGAAATATGGAAGAGATGACATTGATAACATAGCTCGAGAGGTAGAGGGCAAAATCCCTGAGGAGGTGATGGAGTATTCAGCTGATTTTGGGAACGTTGCAATGAATTACAGGACATTGAGAAAATTATGGCTCAAATGAACGTGGA GAAGCAAGAATTCACGAAGGATCAGTATCAAGAAAGCCCTGGATGCCAAAATTGCAAGTACAAGGCTCATTTCATCAGTTGCGCATTGATGGAACCAGCAAAGGAAAGAACTATACTGAGGAAGAAGATAGATTCTTGATTTGTATGTTACACAAAATGGGCTTTGATAGAGAAAATGTATGAAGAATTAAGACAGTGTGTA CGAAATGCTCCCAAGTTTAGATTTGACTGGTTTATCAAGTCTAGGACTGCCATGGAATCCAGAGACGCTGTAACACTCTGATTTTATTGATTGAGAAAAGAAAATGGAATTTGAGGAAAAGAGAGAGAGCAGAAAAGAA GAAACGGGCAACTAAAACCTCAAATGGTAAAATTTTCAGCATTTTCC

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Protein Sequence:

>RC226308 representing NM_139035
 Red=Cloning site Green=Tags(s)

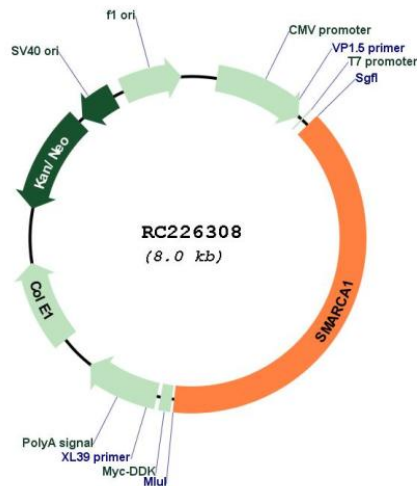
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Plasmid Map:

ACCN:

NM_139035

ORF Size:

3126 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:	<u>NM_139035.2</u> , <u>NP_620604.2</u>
RefSeq Size:	4066 bp
RefSeq ORF:	3128 bp
Locus ID:	6594
Cytogenetics:	Xq25-q26.1
Domains:	SNF2_N, myb_DNA-binding, DEAD, helicase_C
Protein Families:	Transcription Factors
MW:	121.1 kDa
Gene Summary:	This gene encodes a member of the SWI/SNF family of proteins. The encoded protein is an ATPase which is expressed in diverse tissues and contributes to the chromatin remodeling complex that is involved in transcription. The protein may also play a role in DNA damage, growth inhibition and apoptosis of cancer cells. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]