

Product datasheet for **RC221746**

SMARCD1 (NM_139071) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMARCD1 (NM_139071) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SMARCD1
Synonyms:	BAF60A; CRACD1; CSS11; Rsc6p
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC221746 representing NM_139071
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGCCCGGGCGGGTTTCCAGTCTGTGGCTCCAAGCGCGCGGCCGGAGCCTCAGGAGGGCGGGCG
 CGGCTGCTGCCTTGGGCCCGGGCGGAACCCGGGGCCTCCTGTGCGAATGGGCCCGCTCCGGGTCAAGG
 GCTGTACCGCTCCCCGATGCCCGGAGCGCCTATCCGAGACCAGGTATGTTGCCAGGCAGCCGAATGACA
 CCTCAGGGACCTTCCATGGGACCCCTGGCTATGGGGGAACCCTTCAAGTCCGACCTGGCCTGGCCAGT
 CAGGGATGGATCAGTCCCGCAAGAGACCTGCCCTCAGCAGATCCAGCAGGTCCAGCAGCAGGCGGTCCA
 AAATCGAAACCACAATGCAAAGAAAAAGAAGATGGCTGACAAAATTCTACCTCAAAGGATTCGTGAAGT
 GTACCAGAATCCAGGCCTATATGGATCTCTGGCTTTTCAAAGGAACTGGACCAGACTATCATGAGGA
 AACGGCTAGATATCCAAGAGCCTTGAACGTCCTCAAGCAAAAACGGAAGCTGCGAATTTTCATTTT
 TAACACTTTCAATCCGGTAAGTCAGATGCCGAGGATGGGGAAGGACGGTGGCTTCTGGGAGCTTCGG
 GTAGAAGGACGGCTCCTGGAGGATTCAGCCTTGTCCAAATATGATGCCACTAAACAAAAGAGGAAGTCT
 CTTCTTTTTTAAAGTCTTGGTATTGAACTGGACAAAGACCTGTATGGGCCAGACAACCATCTGGTAGA
 ATGGCACAGGACCGCCACTACCCAGGAGACCGATGGCTTTCAAGTGAAGCGGCCGGGAGACGTGAATGTA
 CGGTGTACTGTCTACTGATGCTGGATTACCAGCCTCCCAGTTTAAATTAGACCCCGCCTAGCTCGAC
 TCCTGGGCATCCATACCCAGACTCGTCCAGTATCATCAAGCACTGTGGCAATATATTAAGACACATAA
 GCTCCAGGACCCACAGAGCGGGAGTTTGTATCTGTGACAAGTACCTGCAGCAGATCTTTGAGTCTCAA
 CGTATGAAGTTTTAGAGATCCCTCAGCGGCTCCATGCCTTGTATGCCACCAGAACCTATCATCATTAA
 ATCATGTATCAGTGTGACCCGAATGATCAGAAAAAGACAGCTTGTATGACATTGATGTTGAAGTGA
 TGACACCTTGAAGACCCAGATGAATTCTTTCTGCTGTCCACTGCCAGCCAACAGGAGATTGCTACTCTA
 GACAACAAGACAATGACTGATGTGGTGGGTAACCCAGAGGAGGAGCGCCGAGCTGAGTTCTACTCCAGC
 CCTGGGCTCAGGAGGCTGTGTGCCGATACTTCTACTCCAAGTGCAGCAGAGACGACAAGAATTAGAGCA
 AGCCCTGGGAATCCGGAATACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC221746 representing NM_139071
 Red=Cloning site Green=Tags(s)

MAARAGFQSVAPSGGAGASGGAGAAAAALGPGGTPGPPVRMGPAPGQGLYRSPMPGAAAYPRPGMLPGSRMT
 PQGPPSMGPPGYGGNPSVRPGLAQSGMDQSRKRPAPQIQVQQQAVQNRNHNKAKKKMADKILPQRIREL
 VPESQAYMDLLAFERKLDQTIMRKRLDIQEALKRPIKQKRKLRFISNTFNPASDAEDGEGTVASWELR
 VEGRLLEDLSALSKYDATKQKRKFSFFKSLVIELDKDLYGPDNHLVEWHRTATTQETDGFQVKRPGDVNV
 RCTVLLMLDYQPPQFKLDPRLARLLGIHTQTRPVIIQALWQYIKTHKLQDPHEREFVICDKYLQQIFESQ
 RMKFSEIPQRLHALLMPPEPIIINHVISVDPNDQKKTACYDIDVEVDDTLKTMNSFLLSTASQQEIALT
 DNKTMTDVVGNPPEERRAEFYFQPAQEAVCRYFYSKVQRRQLEALGIRNT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_139071

ORF Size: 1422 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:

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_139071.3](#)
RefSeq Size: 3308 bp

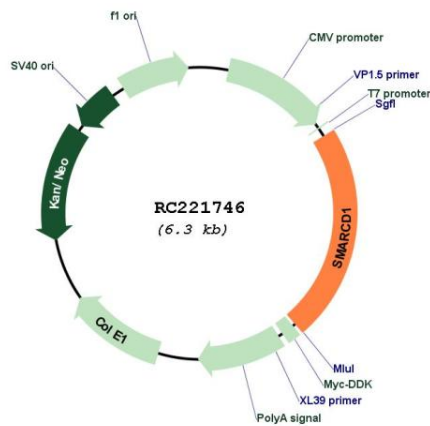
RefSeq ORF: 1425 bp

Locus ID: 6602

UniProt ID: [Q96GM5](#)

Cytogenetics: 12q13.12
Domains: SWIB
Protein Families: Transcription Factors
MW: 53.1 kDa
Gene Summary: The protein encoded by this gene is a member of the SWI/SNF family of proteins, whose members display helicase and ATPase activities and which are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. The encoded protein is part of the large ATP-dependent chromatin remodeling complex SNF/SWI and has sequence similarity to the yeast Swp73 protein. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC221746