

## Product datasheet for **RG221746**

### SMARCD1 (NM\_139071) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SMARCD1 (NM_139071) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SMARCD1
Synonyms:	BAF60A; CRACD1; CSS11; Rsc6p
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG221746 representing NM\_139071  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGGCCCGGGCGGGTTTCCAGTCTGTGGCTCCAAGCGCGCGGCCGGAGCCTCAGGAGGGCGGGCG  
 CGGCTGCTGCCTTGGGCCCGGGCGGAACCCGGGCTCCTGTGCGAATGGGCCCGCTCCGGGTCAAGG  
 GCTGTACCCTCCCGATGCCCGGAGCGCCTATCCGAGACCAGGTATGTTGCCAGGCAGCCGAATGACA  
 CCTCAGGGACCTTCCATGGGACCCCTGGCTATGGGGGAACCCTTCAGTCCGACCTGGCCTGGCCAGT  
 CAGGGATGGATCAGTCCCGCAAGAGACCTGCCCTCAGCAGATCCAGCAGGTCCAGCAGCAGGCGGTCCA  
 AAATCGAAACCACAATGCAAAGAAAAAGAAGATGGCTGACAAAATTCTACCTCAAAGGATTCGTGAAGT  
 GTACCAGAATCCAGGCCTATATGGATCTCTGGCTTTTCAAAGGAAACTGGACCAGACTATCATGAGGA  
 AACGGCTAGATATCCAAGAGCCTTGAACGTCATCAAGCAAAAACGGAAGCTCGGAATTTTCATTTT  
 TAACACTTTCAATCCGGTAAGTCAGATGCCGAGGATGGGGAAGGACGGTGGCTTCTGGGAGCTTCGG  
 GTAGAAGGACGGCTCCTGGAGGATTCAGCCTTGTCCAAATATGATGCCACTAAACAAAAGAGGAAGTCT  
 CTTCTTTTTTAAAGTCTTGGTATTGAACTGGACAAAGACCTGTATGGCCAGACAACCATCTGGTAGA  
 ATGGCACAGGACCGCCACTACCCAGGAGACCGATGGCTTTTAGGTGAAGCGGCCGGGAGACGTGAATGTA  
 CGGTGTACTGTCTACTGATGCTGGATTACCAGCCTCCCGAGTTAAATAGACCCCGCCTAGCTCGAC  
 TCCTGGGCATCCATACCCAGACTCGTCCAGTATCATCAAGCAACTGTGGCAATATATTAAGACACATAA  
 GCTCCAGGACCCACAGGCGGGAGTTTGTGATCTGTGACAAGTACCTGCAGCAGATCTTTGAGTCTCAA  
 CGTATGAAGTTTTAGAGATCCCTCAGCGGCTCCATGCCTTGTATGCCACCAGAACCTATCATCATTAA  
 ATCATGTCATCAGTGTGACCCGAATGATCAGAAAAAGACAGCTTGTATGACATTGATGTTGAAGTGGG  
 TGACACCTTGAAGACCCAGATGAATTTCTTCTGTCTGTCCACTGCCAGCCAACAGGAGATTGCTACTCTA  
 GACAACAAGACAATGACTGATGTGGTGGGTAACCCAGAGGAGGAGCGCCGAGCTGAGTTCTACTCCAGC  
 CCTGGGCTCAGGAGGCTGTGTGCCGATACTTCTACTCCAAGTGCAGCAGAGACGACAAGAATTAGAGCA  
 AGCCCTGGGAATCCGGAATACA

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG221746 representing NM\_139071  
 Red=Cloning site Green=Tags(s)

MAARAGFQSVAPSGGAGASGGAGAAAALGPGGTPGPPVVMGPAPGQGLYRSPMPGAAAYPRPGMLPGSRMT  
 PQGPSMGPPGYGGNPSVRPGLAQSGMDQSRKRPAPQIQVQQQAVQNRNHNKAKKKMADKILPQRIREL  
 VPESQAYMDLLAFERKLDQTIMRKRLDIQEALKRPIKQKRKLRFISNTFNPAKSDAEDGEGTVASWELR  
 VEGRLLEDLSALSKYDATKQKRKFSFFKSLVIELDKDLYGPDNHLVEWHRTATTQETDGFQVCRPGDVNV  
 RCTVLLMLDYQPPQKLDPRLARLLGIHTQTRPVIIQALWQYIKTHKLQDPHEREFVICDKYLQIFESQ  
 RMKFSEIPQRLHALLMPPEPIIINHVISVDPNDQKKTACYDIDVEVDDTLKTMNSFLLSTASQEIATL  
 DNKTMTDVGPNPEEERRAEFYFQWAEAVCRYFYSKVQQRQLEQALGIRNT

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI



**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

**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]