

Product datasheet for RR217445

Smarca1 (NM_001271190) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Smarca1 (NM_001271190) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Smarca1
 Synonyms: RGD1561046
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR217445 representing NM_001271190
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGGATCGCC

ATGGAGCCGGACACGGCCACAGAGGCAGCCACCGTGGCAGCCTCGGATGCCAGAGCCACAATCGTGGTCC
 TAGAGGATGAGCAGCCCGGGCCGTCCACCTTTAAAGAGGAGGGAGCGGCTGCTGCCGCCACCGAAGCCAC
 CACGGCCACTGAGAAGGGCGAGAAGAAGGAGAAAACTACTTCTCCATTTCAACTCAAACCTTGCTGCTAAA
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 ACAGAGCGAAGAGATTTGAGTTTTGCTGAAGCAGACGGAACTTTTGCACATTTCAATCAACCTTCAGC
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AGATGACTCGACTGCTAGACATTTTGGAGGATTATTGTATGTGGCGTGGTTATGAGTATTGTCGACTGGA
 TGGACAAACCCACATGAAGAAAGAGAGGAAGCAATAGAAGCCTTCAATGCTCCGAATAGCAGCAAATTC
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Protein Sequence:

>RR217445 representing NM_001271190

Red=Cloning site Green=Tags(s)

MEPDTATEAATVAASDARATIVVLEDEQPGPSTFKEEGAAAAATEATTATEKGEKKEKITSPPQLKLAAK
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 SLISVGDYRHRTEQEEDSELLSESRTSNVCRFEVSPSYVKGGLRDYQIRGLNWLISLYENGVNGIL
 ADEMGLGKTLQTIALLGYLKHYRNFPGPHMVLVPKSTLHNMNEFKRWVPSLRVICFVGDKDVRAAFIRD
 EMPGGEWDVVCVTSYEMVIKEKSVFKFHWRYLVIDEAHRIKNEKSKLSEIVREFKSTNRLLLTGTPLQNN
 LHELWALLNLLPDVFN SADD FDSWFDTKNCLGDQKLVERLHAVLKPFLRRRIKTDVEKSLPPKKEIKIY
 LGLSKMQREWYTKILMKDIDVLN SSGKMDKMRLLNILMQLRKCCNHPYLF DGAEPGPYTTDEHIVSNSG
 KMVALDKLLARIKEQGSRLIFSQMTRLLDILEDYCMWRGYEYCRLDGQTPHEEREEAIEAFNAPNSSKF
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 KDKLLTQGFNTWTKRDFNQFIKANEKYGRDDIDNVAREVEGKSPEEVMESAVFWERCNELQDIEKIMAQ
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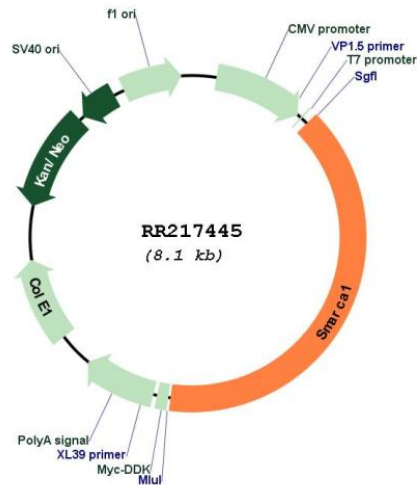
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_001271190

ORF Size: 3186 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_001271190.1, NP_001258119.1</u>
RefSeq Size:	3748 bp
RefSeq ORF:	3189 bp
Locus ID:	317575
Cytogenetics:	Xq35
MW:	123.5 kDa