

Product datasheet for **RG239936**

SMARCA1 (NM_001282874) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMARCA1 (NM_001282874) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SMARCA1
Synonyms:	hSNF2L; ISWI; NURF140; SNF2L; SNF2L1; SNF2LB; SNF2LT; SWI; SWI2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG239936 representing NM_001282874. Blue=ORF Red=Cloning site Green=Tag(s)

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 GCAGAAAAGAAGAAACGGGCAACTAAAACCTCAATGTCCACAGAAAAGAAAAGCAGAGTCACTGAG
 AGCTCTGAAAAGAGGATGTCAAGAAGGTGAAATCC
 ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC

Protein Sequence:

>Peptide sequence encoded by RG239936
 Blue=ORF Red=Cloning site Green=Tag(s)

MEQDTAAVAATVAAADATATIVVIEDEQPGPSTSQEEGAAAAATEATAATEKGEKKEKNVSSFLKLA
 AKAPKSEKEMDPEYEEKMKADRKRFEFLKQTELFHFHQPSAQKSPSPLNMKLRPRRIKDKDEKQSL
 ISAGDYRHRRTQEEDDELLSESRTSNVCIRFEVSPSYKGGPLRDYQIRGLNWLISLYENGVNGILA
 DEMGLGKTLQTIALLGYLKHYRNIPGPHMVLVPKSTLHNWMEFKRWVPSLRVICFVGDKDARAARFIRD
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 REEQKIDGAEPLTPEETEEKEKLLTQGFNTWTKRDFNQFIKANEKYGRDDIDNIAREVEGKSPEEVME
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 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
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 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001282874

ORF Size: 3210 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).

RefSeq: [NM_001282874.2](#)

RefSeq Size: 4025 bp

RefSeq ORF: 3213 bp

Locus ID: 6594

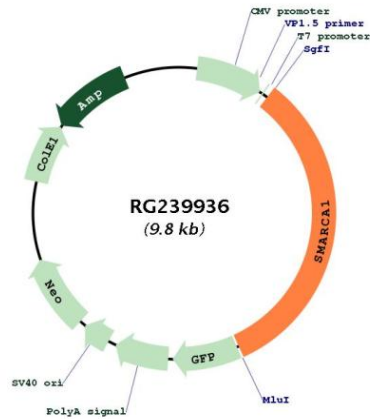
Cytogenetics: Xq25-q26.1

Protein Families: Transcription Factors

MW: 124.8 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]

Product images:


Circular map for RG239936