

Product datasheet for **SC337820**

SMARCA1 (NM_001282875) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMARCA1 (NM_001282875) Human Untagged Clone
Tag:	Tag Free
Symbol:	SMARCA1
Synonyms:	hSNF2L; ISWI; NURF140; SNF2L; SNF2L1; SNF2LB; SNF2LT; SWI; SWI2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001282875, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCAGGACACTGCCGACGTGGCAGCCACCGTGGCAGCCGCGGATGCGACCGCCACTATCGTGGTCA
TAGAGGACGAGCAGCCCGGGCCGTCCACCTCTCAGGAGGAGGGAGCGGCCCGCGGCCACCGAAGCCAC
CGCGGCCACGGAGAAGGGCGAGAAGAAGAAGGAGAAAAACGTTTCTTCATTTCAACTCAAACCTGCTGCT
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AACATCTCCACTGAACATGAAATTGGGACGTCCCCGAATAAAGAAAAGATGAAAAGCAGAGCTTAATTTCT
GCTGGAGACTACCGCCATAGGCGCACAGAGCAAGAAGAAGATGAAGAGCTACTGTCTGAGAGTCGGAAAA
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CTCACATGGTTTTAGTCCAAAGTCTACTTTACACAACCTGGATGAATGAATTTAAACGATGGGTCCCATC
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GCATGAAGAAAGAGAGGAAGCAATAGAGGCTTTTAAAGTCTCTAATAGTAGCAAATTCATCTTTATGCTA
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GGAACCCACAGGTTGATCTACAAGCTATGGATCGAGCACATCGTATTGGTCAGAAGAAACAGTACGTGT
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TACAAATGATACGGCATGGAGCCACCCATGTTTTGCTTCTAAAGAGAGTGAAGTTGACAGATGAAGACAT
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AGCTGATTTTGGGAACGTTGCAATGAATTACAGGACATTGAGAAAATTTGGCTCAAATTTGAACGTGGA
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CGAAATGCTCCCAGTTTATGATTTGACTGGTTTATCAAGTCTAGGACTGCCATGGAAATTCAGAGACGCT
GTAACACTCTGATTTTATTGATTGAGAAAAGAAAATATGGAATTTGAGGAAAGAGAGAGAGCAGAAAAGAA
GAAACGGGCAACTAAAACCTCAATGTACAGAAAAGAAAAGCAGAGTCACTACTGAGAGCTCTGAAAAG
AAGGATGTCAAGAAGGTGAAATCCTAA
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001282875
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_001282875.1</u> , <u>NP_001269804.1</u>
RefSeq Size:	3989 bp
RefSeq ORF:	3177 bp
Locus ID:	6594
UniProt ID:	<u>P28370</u>
Cytogenetics:	Xq25-q26.1
Protein Families:	Transcription Factors
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) lacks an alternate in-frame exon in the 3' coding region, compared to variant 4. It encodes isoform c, which lacks an internal segment and is shorter, compared to isoform d.</p>