

Product datasheet for **SC323249**

SMARCAD1 (NM_001128430) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SMARCAD1 (NM_001128430) Human Untagged Clone
Tag: Tag Free
Symbol: SMARCAD1
Synonyms: ADERM; BASNS; ETL1; HEL1; HRZ
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_001128430, the custom clone sequence may differ by one or more nucleotides

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ATGAATCTTTTCAACCTGGACCGTTTTTCGCTTTGAGAAAAGGAATAAGATTGAGGAAGCG
CCCGAAGCAACCCTCAACCTTCCAGCCTGGCCCTTCTTACCAATTTCTTTAGTGCT
GAAGAGGAGAATGCTGAAGGGGAAGTTAGCAGGGCAAACACTCCTGATTGAGATATAACT
GAAAAACAGAAGATTCTAGTGTCCAGAACTCCAGATAATGAAAGAAAAGCAAGTATA
TCATATTTCAAAAATCAAAGAGGAATACAGTATATTGATTTGCTTCTGATAGTGAAGAT
GTCGTTTCCCAAATTGCTCCAATACAGTTCAAGAGAAAACATTAACAAAAGATACAGTG
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AGAAATGATGATATTTTCAGAACTGGAAGACCTTTTCGGAATTGGAAGACCTTAAAGATGCT
AAACTTCAGACTTTGAAGGAACTTTTTCCACAAAAGAGTACAATGATTTACTTAAGTTG
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AAATGTGAAGACATTTCAAATAAATTGACCAAACAAGTTACCATGCTTACTGGAAATGGA
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CAGAAGGTTGGTTTGAATTTGGCTGGCATTGGTACATAAACATGGACTTAATGGCATTG
GCAGATGAAATGGGCTAGGAAAAACTATTCAAGCCATTGCATTTCTGGCATACTCTAT
CAGGAGGGTAATAATGGTCTCATTGATCGTTGTTCCAGCTTCAACTATAGATAACTGG
TTAAGGGAAGTTAATTTATGGTGCCTACTTTGAAGGTCTCTGTTACTATGGTTCTCAA
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GAAGAACGTAAACAAATTAGATTTAACATTCATAGTAGATATGAAGATTACAATGTAATT
GTGACCACATATAACTGTGCGATCAGCAGTTCTGATGACCGTAGTCTGTTTCGACGGCTG
AAACTTAATTACGCAATTTTGTATGAGGGCCATATGCTGAAGAATATGGGCTCCATTTCG
TACCAGCACCTTATGACAATTAATGCAAATAACCGTTTGTGCTCACAGGCACACCTGTA
CAGAACAATCTGTTAGAACTCATGTCGCTGTTGAATTTTGTATGCCACACATGTTTAGT
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ACTTCAGCAAATGTTGTTATACTTCACGATATTGACTGTAATCCTTATAATGACAAACAA
GCAGAAGATAGATGCCATAGAGTAGGCCAGACTAAGAAGTACTAGTTATAAACTAATA
AGCCAAGGGACGATTGAAGAATCCATGCTAAAAATTAACCAACAGAAATTGAAACTAGAA
CAGGATATGACTACAGTAGATGAAGGTGATGAAGGGAGTATGCCAGCAGATATAGCCACA
TTACTAAAAACATCAATGGGCCTG
    
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- Restriction Sites:** Please inquire
- ACCN:** NM_001128430
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_001128430.1](#), [NP_001121902.1](#)
- RefSeq Size:** 5036 bp
- RefSeq ORF:** 3087 bp

Locus ID:	56916
UniProt ID:	Q9H4L7
Cytogenetics:	4q22.3
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors
Gene Summary:	<p>This gene encodes a member of the SNF subfamily of helicase proteins. The encoded protein plays a critical role in the restoration of heterochromatin organization and propagation of epigenetic patterns following DNA replication by mediating histone H3/H4 deacetylation. Mutations in this gene are associated with adermatoglyphia. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode isoform a.</p>