

Product datasheet for SC332272

SMARCAD1 (NM_001254949) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SMARCAD1 (NM_001254949) Human Untagged Clone
Tag: Tag Free
Symbol: SMARCAD1
Synonyms: ADERM; BASNS; ETL1; HEL1; HRZ
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332272 representing NM_001254949.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTCCAAAATAATGGCTTATCAGAAGATTTGATATGGCACTGTAAAACACTGATCCAAGAAAGAGAT
GTAGTTATAAGGCTTATGAACAAATGTGAAGACATTTCAAATAAATTGACCAAACAAGTTACCATGCTT
ACTGGAATGGAGGTGGATGGAACATAGAACAACCTTCCATTCTAAACCAAAGTTTGTCACTCAAGCCC
TATCAGAAGGTTGGTTTGAATTGGCTGGCATTGGTACATAAACATGGACTTAATGGCATTTTGGCAGAT
GAAATGGGCCTAGGAAAACTATTCAAGCCATTGCATTTCTGGCATACTCTATCAGGAGGGTAATAAT
GGTCCTCATTGTGTCGTTTCCAGCTTCAACTATAGATAAAGTGAAGGGAAGTTAATTTATGGTGC
CCTACTTTGAAGTCCTCTGTTACTATGGTTCTCAAGAAGAACGTAACAATAAGATTTAACATTCAT
AGTAGATATGAAGATTACAATGTAATTGTGACCACATATAAAGTGTGCGATCAGCAGTTTCTGATGACCGT
AGTCTGTTTCGACGGCTGAAACTTAATTACGCAATTTTGTGAGGGCCATATGCTGAAGAATATGGGC
TCCATTCGCTACCAGCACCTTATGACAATTAATGCAAAATAACCGTTTGTGCTCAGGACACACCTGTA
CAGAACAATCTGTTAGAATCATGTCGCTGTTGAATTTGTTATGCCACACATGTTTAGTAGTAGCACC
AGTGAAATACGAAGAATGTTTTCCTCTAAGACAAAATCAGCAGATGAGCAAAGCATATATGAAAAGGAG
AGAATAGCACATGCAAAAATAATATAAAGCCATTTATTCTCAGAAGAGTAAAAGAAGAGGTTCTCAAG
CAGTTACCCCAAGAAAGATCGAATTGAGTTGTGTCGCAATGTCGGAAGCAGGAGCAACTCTATTTG
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TTAGACATGGACTTGATTTTAGATTCTGGAAAATTTGAGTTTATAGGATGCATCTGTCTGAATTGAAA
CAGAAGGGTGATAGAGTTGTGTTATTTAGCCAATTTACCATGATGCTGGATATCTTAGAGGTTCTATTA
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GAAGATAGATGCCATAGAGTAGGCCAGACTAAAGAAGTACTAGTTATAAACTAATAAGCCAAGGGACG
ATTGAAGAATCCATGCTAAAAATTAACCAACAGAAATGAAACTAGAACAGGATATGACTACAGTAGAT
GAAGGTGATGAAGGGAGTATGCCAGCAGATATAGCCACATTACTAAAAACATCAATGGGCCTGTGA
  
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Restriction Sites: SgfI-MluI



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ACCN:	NM_001254949
Insert Size:	1791 bp
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:	NM_001254949.1
RefSeq Size:	3950 bp
RefSeq ORF:	1791 bp
Locus ID:	56916
UniProt ID:	Q9H4L7
Cytogenetics:	4q22.3
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors
MW:	68.8 kDa
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 (4) differs in the 5' UTR, uses an alternate splice site in the coding region and initiates translation at a downstream, in-frame start codon, compared to variant 1. The encoded isoform (c) is shorter than isoform a.</p>