

Product datasheet for **SC337283**

SMARCA6 (HELLS) (NM_001289071) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMARCA6 (HELLS) (NM_001289071) Human Untagged Clone
Tag:	Tag Free
Symbol:	HELLS
Synonyms:	ICF4; LSH; Nbla10143; PASG; SMARCA6
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_001289071, the custom clone sequence may differ by one or more nucleotides

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ATGAGGAAAAAAGAGGAAGAGAAGATGAATCATACAATATTTTCAGAGGTCATGTCAAAGAGGAAATTT
TGCTGTGGCTAAAAAATAAAAAGGAGAATGAGGATGAAAACCTCCTCTACTAATCTCTGTGTGGA
AGATCTTCAGAAAAATAAGATTGGAATAGTATAATTAAGATAGATTGTCTGAAACGGTTAGGCAGAAT
ACTAAATTCCTTTTTGACCCAGTCCGGAAGTGTAAATGGTCAGCCAGTACCTTTTCAACAACCAAAGCACT
TCACTGGAGGAGTGATGCGATGGTACCAAGTAGAAGGCATGGAATGGCTTAGGATGCTTTGGGAAAAATGG
AATTAATGGCATTITAGCAGATGAAATGGGATTGGGTAAGACAGTTCAGTGCATTGCTACTATTGCATTG
ATGATTGAGAGGAGTACCAGGACCTTTTCTGTCTGTGGCCCTTTGTCTACACTTCTAACTGGATGG
CTGAATTCAAAAGATTTACACCAGATATCCCTACAATGTTATATCATGGAACCCAGGAGGAAACGTCAAAA
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TTTGATGACTTGAAGCTTTGAGTCTTGGTTTGACATCACTAGTCTTTCTGAAACTGCTGAAGATTA
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AAGCAGGAGATCTTTTATACAGCCATTGTGAACCGTACAATTGCAAAACATGTTTGGATCCAGTGAGAAA
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TGAAGAATTGGTAACAAATCTGGGAAGTCTTGTATTTGGATCGAATGCTGCCAGAACTAAAAAAGA
GGTCACAAGGTGCTGCTTTTTTACAAAATGACAAGCATGTTGGACATTTTGTGATGATTACTGCCATCTCA
GAGATTTCAACTCAGCAGGCTTGATGGGTCCATGCTTACTCAGAGAGAGAAAAAACATGCACAGCTT
CAACACGGATCCAGAGGTGTTTATCTTCTAGTGAGTACACGAGCTGGTGGCTGGGCATTAATCTGACT
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GTCATAGAATTGGTCAGACAAAGCCAGTTGTTGTTTATCGCCTTGTACAGCAAACTACTATCGATCAGAA
AATTGTGGAAGAGCAGCTGCTAAAAGGAACTGGAAAAGTTGATCATCCATAAAAAATCATTCAAAGGT
GGTCAGTCTGGATTAATCTGTCTAAGAATTTCTTAGATCCTAAGGAATTAATGGAATTATAAAACTCA
GAGATTATGAAAGGGAATAAAAAGGATCAAGAGAGAAGGTCATTAGTGATAAAGATCTAGAGTTGTTGTT
AGATCGAAGTGATCTTATTGATCAAATGAATGCTTCAGGACCAATTAAGAGAAGATGGGGATATTCAAG
ATATTAGAAAATCTGAAGATCCAGTCCTGAATGTTGTTTTAA
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001289071

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:

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_001289071.1](#), [NP_001276000.1](#)

RefSeq Size: 3207 bp

RefSeq ORF: 2145 bp

Locus ID: 3070

UniProt ID: [Q9NRZ9](#)

Cytogenetics: 10q23.33

Gene Summary: This gene encodes a lymphoid-specific helicase. Other helicases function in processes involving DNA strand separation, including replication, repair, recombination, and transcription. This protein is thought to be involved with cellular proliferation and may play a role in leukemogenesis. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jan 2014]
Transcript Variant: This variant (6) contains an alternate exon and differs in the 5' UTR, and uses a downstream translation start codon, compared to variant 1. The encoded protein (isoform 6) has a shorter N-terminus compared to isoform 1.