

Product datasheet for **SC337243**

SMARCA6 (HELLS) (NM_001289073) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMARCA6 (HELLS) (NM_001289073) 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_001289073, the custom clone sequence may differ by one or more nucleotides

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ATGCAAGTGAAGAGAAGCCAGGAAATTTGTCTGTGGCTAAAAAATAAAAAGGAGAATGAGGATGAAA
ACTCCTCCTCTACTAATCTCTGTGTGGAAGATCTTCAGAAAAATAAGATTGCAATAGTATAATTAAGA
TAGATTGTCTGAAACGGTTAGGCAGAATACTAAATCTTTTTTGACCCAGTCCGGAAGTGAATGGTCAG
CCAGTACCTTTTCAACAACCAAAAGCACTTCACTGGAGGAGTGATGCGATGGTACCAAGTAGAAGGCATGG
AATGGCTTAGGATGCTTTGGGAAAATGGAATTAATGGCATTTTAGCAGATGAAATGGGATTGGGTAAAGAC
AGTTTCAGTGCATTGCTACTATTGCATTGATGATTCAGAGAGGAGTACCAGGACCTTTTCTGTCTGTGGC
CCTTTGTCTACACTTCTAACTGGATGGCTGAATTCAAAAGATTTACACCAGATATCCCTACAATGTTAT
ATCATGGAACCCAGGAGAACGTCAAAAATTGGTAAGAAATATTTACAAACGGAAAGGGACTTTGCAGAT
TCATCCTGTGGTAATCACGTCATTTGAAATAGCCATGAGAGACCGAAATGCGTTACAGCATTGCTATTGG
AAATACTTAATAGTAGATGAAGGACACAGGATTAAGAATATGAAGTGCCGCTAATCAGGGAGTTAAAC
GATTCAATGCTGATAACAACTTCTTTGACTGGTACTCCCTGCAAAACAATTTATCAGAACTTTGGTC
ATTGCTAAACTTTTTGTTGCCAGATGTATTTGATGACTTGAAAAGCTTTGAGTCTTGGTTTGACATCACT
AGTCTTTCTGAAACTGCTGAAGATATTATTGCTAAAGAAAAGAGAACAGAATGTATTGCATATGCTGCACC
AGATTTTAAACACCTTTCTATTGAGAAGACTGAAGTCTGATGTTGCTCTTGAAGTTCCTCCTAAACGAGA
AGTAGTCGTTTATGCTCCACTTTCAAAGAAGCAGGAGATCTTTTATACAGCCATTGTGAACCGTACAATT
GCAAACATGTTTGGATCCAGTGAGAAAGAAACAATTGAGTTAAGTCCACTGGTCGACCAAAACGACGAA
CTAGAAAAATCAATAAATTACAGCAAAATAGATGATTTCCCTAATGAATTGGAAAAACTGATCAGTCAAT
ACAGCCAGAGGTGGACCGAGAAAGAGCTGTTGTGGAAGTGAATATCCCTGTAGAATCTGAAGTTAATCTG
AAGCTGCAGAATAAATGATGCTACTTCGTAATGTTGTAATCATCCATATTTGATTGAATATCCTATAG
ACCTGTACACAAGAATTTAAGATCGATGAAGAATTGGTAACAATTCGGGAAGTCTTGATTTTGGA
TCGAATGCTGCCAGAACTAAAAAAGAGGTCACAAGGTGCTGCTTTTTTCACAATGACAAGCATGTTG
GACATTTTGATGGATTACTGCCATCTCAGAGATTTCAACTTCAGCAGGCTTGATGGGTCCATGTCTTACT
CAGAGAGAGAAAAAACATGCACAGCTTCAACACGGATCCAGAGGTGTTTATCTTCTTAGTGAGTACAGC
AGCTGGTGGCCTGGGCATTAATCTGACTGCAGCAGATACAGTTATCATTATGATAGTGATTGGAACCCC
CAGTCGGATCTTCAGGCCAGGATAGATGTCATAGAATTGGTCAGACAAAGCCAGTTGTTGTTTATCGCC
TTGTTACAGCAAACTACTATCGATCAGAAAATTGTGAAAGAGCAGCTGCTAAAAGGAACTGGAAAAGTT
GATCATCCATAAAAATCATTTCAAAGGTGGTCAGTCTGGATTAATCTGTCTAAGATTTCTTAGATCCT
AAGGAATTAATGGAATTTAAAATCTAGAGATTATGAAAGGGAAATAAAAGGATCAAGAGAGAAGGTCA
TTAGTGATAAAGATCTAGAGTTGTTGTTAGATCGAAGTGATCTTATTGATCAAATGAATGCTTCAGGACC
AATTAAGAGAAGATGGGGATATTCAAGATATTAGAAAATTCTGAAGATTCAGTCCTGAATGTTTGT
TAA
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001289073

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_001289073.1](#), [NP_001276002.1](#)

RefSeq Size: 3098 bp

RefSeq ORF: 2103 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 (8) lacks an alternate exon in the 5' coding region and uses a downstream translation start codon, compared to variant 1. The encoded protein (isoform 8) has a shorter and distinct N-terminus compared to isoform 1.