

## Product datasheet for **SC337271**

### SMARCA6 (HELLS) (NM\_001289072) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SMARCA6 (HELLS) (NM_001289072) 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\_001289072, the custom clone sequence may differ by one or more nucleotides

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ATGCCAGCGGAACGGCCCGGGCAGCGCGGCTCGGAGGCTCCAGCAATGGTTGAACAACCTGGACTG
CTGTGATTACCCCGGCCATGCTAGAAGAGGAAGAACAGCTTGAAGCTGCTGGACTAGAGAGAGCGGAA
GATGCTGGAAAAGGCTCGCATGTCTTGGGATAGAGAGTCGACAGAAATTCGGTACCGTAGACTTCAACAT
TTGCTTGAAAAAGCAATATATACTCCAATTTTTATTGACGAAAATGGAACAGCAACAATTAGAGGAAC
AGAAGAAGAAAAGAAAATTGGAGAGAAAAAGGAGTCTTTAAAAGTTAAAAGGGTAAAAATTCAATTGA
TGCAAGTGAAGAGAAGCCAGTTATGAGGAAAAAAGAGGAAGAGAAGATGAATCATAACAATTTTCAGAG
GTCATGTCAAAGAGGAAATTTGTCTGTGGCTAAAAAAAATAAAAAGGAGAATGAGGATGAAAACCTCT
CCTCTACTAATCTCTGTGTGGAAGATCTTCAGAAAAATAAAGATTCGAATAGTATAATTAAGATAGATT
GTCTGAAACGGTTAGGCAGAATACTAAATCTTTTTGACCCAGTCCGGAAGTGAATGGTCAGCCAGTA
CCTTTTCAACAACCAAAGCACTTACTGGAGGAGTGATGCGATGGTACCAAGTAGAAGGCATGGAATGGC
TTAGGATGCTTTGGGAAAATGGAATTAATGGCATTGTAGCAGATGAAATGGGATTGGGTAAAGACAGTTCA
GTGCATTGCTACTATTGCATTGATGATTAGAGAGGAGTACCAGGACCTTTTCTGTCTGTGGCCCTTTG
TCTACACTTCTAACTGGATGGCTGAATTCAAAAGATTTACACCAGATATCCCTACAATGTTATATCATG
GAACCCAGGAGGAACGTCAAAAATTGATTTAACACCTTTCTATTGAGAAGACTGAAGTCTGATGTTGC
TCTTGAAGTTCCTCCTAAACGAGAAGTAGTCGTTATGCTCCACTTTCAAAGAAGCAGGAGATCTTTTAT
ACAGCCATTGTGAACCGTACAATTGCAAACATGTTTGGATCCAGTGAGAAAAGAAACAATTGAGTTAAGTC
CTACTGGTCGACAAAACGACGAACTAGAAAATCAATAAATTACAGCAAAATAGATGATTTCCCTAATGA
ATTGGAAAACCTGATCAGTCAAATACAGCCAGAGGTGGACCGAGAAAGAGCTGTTGTGGAAGTGAATATC
CCTGTAGAATCTGAAGTTAATCTGAAGCTGCAGAAATAAATGATGCTACTTCGTAATGTTGTAATCATC
CATATTTGATTGAATATCCTATAGACCCTGTTACACAAGAATTTAAGATCGATGAAGAATTGGTAACAAA
TTCTGGGAAGTCTTGATTTGGATCGAATGCTGCCAGAATAAAAAAAGAGGTCACAAGTGCTGCTT
TTTTCAAAAATGACAAGCATGTTGGACATTTTGTGGATTACTGCCATCTCAGAGATTTCAACTTCAGCA
GGCTTGATGGGTCCATGTCTTACTCAGAGAGAGAAAAAATGCACAGCTTCAACACGGATCCAGAGGT
GTTTATCTTCTTAGTGAGTACACGAGCTGGTGGCCTGGGCATTAATCTGACTGCAGCAGATACAGTTATC
ATTTATGATAGTGATTGGAACCCCGAGTCGGATCTTCAGGCCAGGATAGATGTCATAGAATTGGTCAGA
CAAAGCCAGTTGTTGTTTATCGCCTTGTACAGCAAATACTATCGATCAGAAAATTTGGAAAGAGCAGC
TGCTAAAAGGAACTGGAAAAGTTGATCATCCATAAAAATCATTCAAAGGTGGTCAGTCTGGATTAAT
CTGTCTAAGAATTTCTTAGATCCTAAGGAATTAATGGAATTATTAATACTAGAGATTATGAAAGGGAAA
TAAAAGGATCAAGAGAGAAGGTCATTAGTATAAAGATCTAGAGTTGTTGTTAGATCGAAGTGATCTTAT
TGATCAAATGAATGCTTCAGGACCAATTAAGAGAAGATGGGGATATTCAAGATATTAGAAAATCTGAA
GATTCCAGTCCTGAATGTTTGTAA
```

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001289072

**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\\_001289072.1](#), [NP\\_001276001.1](#)

**RefSeq Size:** 2773 bp

**RefSeq ORF:** 2127 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 (7) uses an alternate in-frame splice site and lacks two alternate in-frame exons compared to variant 1. The encoded protein (isoform 7) is shorter compared to isoform 1.