

Product datasheet for **RC238451**

SMARCA6 (HELLS) (NM_001289074) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMARCA6 (HELLS) (NM_001289074) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HELLS
Synonyms:	ICF4; LSH; Nbla10143; PASG; SMARCA6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RC238451 representing NM_001289074
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGTCCCGTCTAATCAGGGAGTTAAAACGATTCAATGCTGATAACAACTTCTTTTGACTGGTACTC
 CCTTGCAAAACAATTTATCAGAATTTGGTCATTGCTAAACTTTTTGTTGCCAGATGTATTTGATGACTT
 GAAAAGCTTTGAGTCTTGGTTTGACATCACTAGTCTTTCTGAAACTGCTGAAGATATTATTGCTAAAGAA
 AGAGAACAGAATGTATTGCATATGCTGCACCAGATTTTAAACACCTTTCTATTGAGAAGACTGAAGTCTG
 ATGTTGCTCTTGAAGTTCCTCCTAAACGAGAAGTAGTCGTTTATGCTCCACTTTCAAAGAAGCAGGAGAT
 CTTTTATACAGCCATTGTGAACCGTACAATTGCAACATGTTTGGATCCAGTGAGAAAGAAAACAATTGAG
 TTAAGTCTACTGGTCGACCAAAACGACGAACTAGAAAATCAATAAATTACAGCAAAATAGATGATTTCC
 CTAATGAATTGGAAAACTGATCAGTCAAATACAGCCAGAGGTGGACCGAGAAAGAGCTGTTGTGGAAGT
 GAATATCCCTGTAGAATCTGAAGTTAATCTGAAGCTGCAGAATAAATGATGCTACTTCGTAATGTTGT
 AATCATCCATATTTGATTGAATATCCTATAGACCTGTTACACAAGAATTAAGATCGATGAAGAATTGG
 TAACAAATTTCTGGGAAGTCTTGATTTTGGATCGAATGCTGCCAGAATAAAAAAAGAGGTCACAAGGT
 GCTGCTTTTTTACAAATGACAAGCATGTTGGACATTTTGATGGATTACTGCCATCTCAGAGATTTCAAC
 TTCAGCAGGCTTGATGGGTCCATGTCTTACTCAGAGAGAGAAAAAACAATGCACAGCTTCAACACGGATC
 CAGAGGTGTTTATCTTCTTAGTGAGTACACGAGCTGGTGGCTGGGCATTAATCTGACTGCAGCAGATAC
 AGTTATCATTTATGATAGTGATTGGAACCCCACTCGGATCTTCAGGCCAGGATAGATGTCATAGAATT
 GGTGAGACAAAGCCAGTTGTTGTTTATCGCCTTGTACAGCAAACTACTATCGATCAGAAAATTGTGGAAA
 GAGCAGCTGCTAAAAGGAACTGGAAAAGTTGATCATCCATAAAAAATCATTCAAAGGTGGTCAGTCTGG
 ATTAATCTGTCTAAGAATTTCTTAGATCCTAAGGAATTAATGGAATTATTAATACTAGAGATTATGAA
 AGGAAAATAAAAGGATCAAGAGAGAAGGTCATTAGTGATAAAGATCTAGAGTTGTTGTTAGATCGAAGTG
 ATCTTATTGATCAATGAATGCTTCAGGACCAATTAAGAGAAGATGGGGATATTCAAGATATTAGAAAA
 TTCTGAAGATTCCAGTCTGAATGTTTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238451 representing NM_001289074
 Red=Cloning site Green=Tags(s)

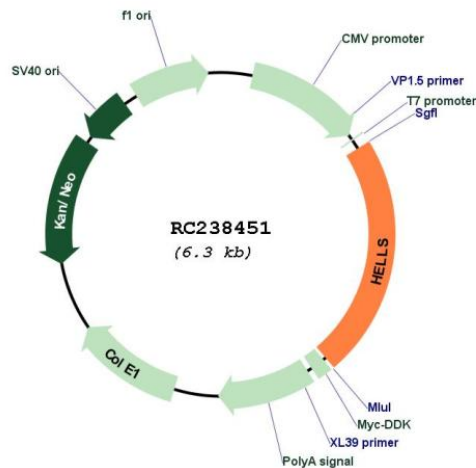
MKCRLLIRELKRFNADNLLLLTGTPLQNNLSELWLLNFFLLPDVFDLKSFESEWFDITSLSETAEDIIAKE
 REQNVLHMLHQILTPFLRLRKSVDVALEVPPKREVVVYAPLSKKQEIFYTAIVNRTIANMFGSSEKETIE
 LSPTGRPKRRTRKSINYSKIDDFPNELEKLISQIQPEVDRERAVVEVNIPIVESEVNLKLQIMMLLRKCC
 NHPYLIEYPIDPVTQEFKIDEELVTNSGKFLILDRMLPELKKRGHKVLLFSQMTSMLDILMDYCHLRDFN
 FSRLDGMSYSEREKNMHSFNTDPEVFI FLVSTRAGGLINLTAADTVIIYSDWNPQSDLQAQDRCHRI
 GQTKPVVVYRLVTANTIDQKIVERAAAKRLEKLIHKNHFKGGQSGNLNLSKNFLDPKELMELLSRDYE
 REIKGSREKVISDKDLELLLDRSDLIDQMNASGPIKEKMGIFKILENSEDSSPECLF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001289074

ORF Size: 1431 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001289074.2](#)

RefSeq Size: 3082 bp

RefSeq ORF: 1434 bp

Locus ID: 3070

UniProt ID: [Q9NRZ9](#)

Cytogenetics: 10q23.33

MW: 55.6 kDa

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]