

Product datasheet for **RC239349**

SMARCA6 (HELLS) (NM_001289073) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMARCA6 (HELLS) (NM_001289073) 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



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ORF Nucleotide
Sequence:

>RC239349 representing NM_001289073
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCAAGTGAAGAGAAGCCAGGAAATTTTGTCTGTGGCTAAAAAATAAAAAGGAGAATGAGGATGAAA
ACTCCTCCTACTAATCTCTGTGTGGAAGATCTTCAGAAAAATAAAGATTTCGAATAGTATAATTAAGA
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AATGGCTTAGGATGCTTTGGGAAAATGGAATTAATGGCATTTCAGCAGATGAAATGGGATTGGGTAAGAC
AGTTCAGTGCATTGCTACTATTGCATTGATGATTCAGAGAGGAGTACCAGGACCTTTCTGTCTGTGGC
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GCAAACATGTTTGGATCCAGTGAGAAAGAAACAATTGAGTTAAGTCTACTGGTCGACCAAAACGACGAA
CTAGAAAATCAATAAATTACAGCAAAATAGATGATTTCCCTAATGAATTGGAAAAACTGATCAGTCAAAT
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AATTAAGAGAAGATGGGGATTTCAAGATATTAGAAAATTTCTGAAGATTCCAGTCTGAATGTTTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239349 representing NM_001289073
 Red=Cloning site Green=Tags(s)

MQVKRSQEILSVAKNKKNKEDENSSSTNLCVEDLQKNKDSNSIIKDRLSETRVQNTKFFFDPPVRKCNGQ
 PVPFQQPKHFTGGVMRWYQVEGMEWLRMLWENGINILADEMGLKTVQCIATIALMIQRGVPGPFLVCG
 PLSTLPNWMMAEFKRFTPDIPMLYHGTQEERQKLVARNIYKRKGTLQIHPVVITSFEIAMRDRNALQHCYW
 KYLIVDEGHRRIKMKRCLIRELKRFNADNKLLLGTPLQNNLSELWLLNFFLLPDVFDDLKSFESWFDIT
 SLSETAEDIIAKEREQNLHMLHQILTPFLLRRLKSDVALEVPPKREVVVYAPLSKKQEIFYTAIVNRTI
 ANMFGSSEKETIELSPTGRPKRRTRKSYNSKIDDFPNELEKLSIQIQPEVDRERAVVEVNIPESEVNL
 KLQNMMLLRKCCNHPYLIEYPIDPVTQEFKIDEELVTNSGKFLILDRMLPELKKRGHKVLLFSQMTSML
 DILMDYCHLRDFNFSRLDGSMYSEREKNMHSFNTDPEVFI FLVSTRAGGLGINLTAADTVIYDSWNP
 QSDLQAQDRCHRIGQTKPVVVYRLVTANTIDQKIVERAAAKRLEKLIHKNHFKGGQSGNLNKNFLDP
 KELMELLSRDYEREIKGSREKVISDKDLELLDRSDLIDQMNASGPIKEKMGIFKILENSEDSSPECLF

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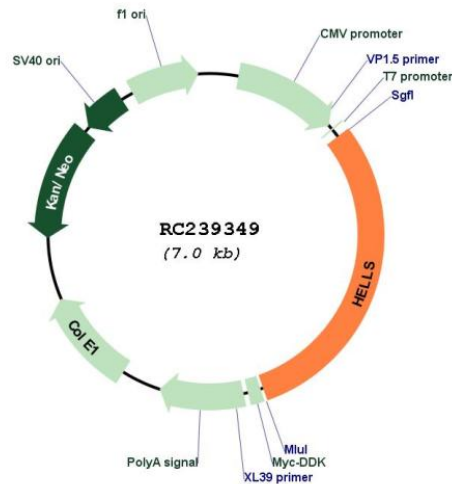
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001289073

ORF Size: 2100 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_001289073.2](#)

RefSeq Size: 3098 bp

RefSeq ORF: 2103 bp

Locus ID: 3070

UniProt ID: [Q9NRZ9](#)

Cytogenetics: 10q23.33

MW: 81.5 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]