

Product datasheet for RC238198

SMARCA6 (HELLS) (NM_001289075) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMARCA6 (HELLS) (NM_001289075) 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
ORF Nucleotide Sequence:	>RC238198 representing NM_001289075 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCGTTACAGCTTTGAGTCTTGGTTTGACATCACTAGTCTTTCTGAACTGCTGAAGATATTATTGCTA
AAGAAAGAGAACAGAATGTATTGCATATGCTGCACCAGATTTAACACCTTTCTTATTGAGAAGACTGAA
GTCTGATGTTGCTTTGAAGTTCCTCCTAAACGAGAAGTAGTCGTTTATGCTCCACTTTCAAAGAAGCAG
GAGATCTTTTATACAGCCATTGTGAACCGTACAATTGCAAACATGTTGGATCCAGTGAGAAAGAAACAA
TTGAGTTAAGTCTACTGGTCGACCAAAACGACGAACTAGAAAATCAATAAATTACAGCAAAATAGATGA
TTTCCCTAATGAATTGGAAAACTGATCAGTCAAATACAGCCAGAGGTGGACCGAGAAAGAGCTGTTGTG
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AAGGTGCTGCTTTTTTACAAATGACAAGCATGTTGGACATTTTGATGGATTACTGCCATCTCAGAGATT
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GGATCCAGAGGTGTTTATCTTCTTAGTGAGTACAGGAGCTGGTGGCTGGGCATTAATCTGACTGCAGCA
GATACAGTTATCATTTATGATAGTGATTGGAACCCCGAGTCGGATCTTCAGGCCAGGATAGATGTCATA
GAATTGGTCAGACAAAGCCAGTTGTTGTTATCGCCTGTTACAGCAAATACTATCGATCAGAAAATTGT
GGAAAGAGCAGCTGCTAAAAGGAACTGGAAAAGTTGATCATCCATAAAAATCATTTCAAAGGTGGTCAG
TCTGGATTAATCTGTCTAAGAATTTCTAGATCCTAAGGAATTAATGGAATTATAAAACTAGAGATT
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GAAAATCTGAAGATTCCAGTCTGAATGTTTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC238198 representing NM_001289075
Red=Cloning site Green=Tags(s)

MRYSFESWFDITSLSETAEDIIAKEREQNVLHMLHQILTPFLLRRLKSDVALEVPPKREVVVYAPLSKKQ
 EIFYTAIVNRTIANMFGSSEKETIELSPTGRPKRRTRKSINYSKIDDFPNELEKLISQIQPEVDRERAVV
 EVNIPVESEVNLKLNIMLLRKCCHPYLIEYIPDPTQEFKIDEELVTNSGKFLILDRMLPELKKRGH
 KVLLFSQMTSMLDILMDYCHLRDFNFSRLDGSMSYSEREKNMHSFNTDPEVFIFLVSTRAGGLGINLTAA
 DTVIIYSDWNPQSDLQAQDRCHRIGQTKPVVYRLVTANTIDQKIVERAAAKRLEKLIHKNHFKGGQ
 SGLNLSKNFLDPKELMELLKSRDYEREIKGSREKVISDKLELLLDLDRSDLIDQMNASGPIKEKMGIFKIL
 ENSEDSSPECLF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

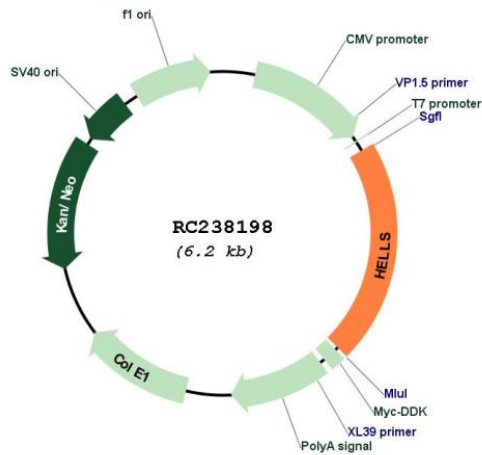
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001289075

ORF Size:	1296 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:	<ol style="list-style-type: none">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_001289075.2
RefSeq Size:	2966 bp
RefSeq ORF:	1299 bp
Locus ID:	3070
UniProt ID:	Q9NRZ9
Cytogenetics:	10q23.33
MW:	50.4 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]