

## Product datasheet for **RG239733**

### **SMARCA6 (HELLS) (NM\_001289067) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SMARCA6 (HELLS) (NM_001289067) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SMARCA6
Synonyms:	ICF4; LSH; Nbla10143; PASG; SMARCA6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG239733 representing NM\_001289067.  
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGCCAGCGAACGGCCCGGGCAGCGCGGCTCGGAGGCTCCAGCAATGGTTGAACAACGGACTG
GCTGTGATTACCCCGCCATGCTAGAAGAGGAAGAAGACAGCTTGAAGCTGCTGGACTAGAGAGAGCGG
AAGATGCTGGAAGGCTCGCATGCTTGGGATAGAGAGTCGACAGAAATTCGGTACCGTAGACTTCAA
CATTTGCTTGAAAAAGCAATATACTCCAAATTTTATTGACGAAAATGGAACAGCAACAATTAGAG
GAACAGAAGAAGAAAAAATTGGAGAGAAAAAGGAGTCTTTAAAAGTTAAAAAGGTAAAAATTCA
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TCAGAGGTCATGTCAAAGAGGAAATTTGTCTGTGGCTAAAAAATAAAAAGGAGAATGAGGATGAA
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TGCTATTGAAAATACTTAATAGTAGAAGGACACAGGATTAAGAATATGAAGTGCCGCTAATCAGG
GAGTTAAAACGATTCAATGCTGATAACAACTTCTTTGACTGGTACTCCCTTCAAAAACAATTTATCA
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TTTGACATCACTAGTCTTTCTGAAACTGCTGAAGATATTATTGCTAAAGAAAGAGAACAAGATGATTG
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AATCTGTCTAAGAATTTCTTAGATCCTAAGGAATTAATGGAATTTAAAAATCTAGAGATTATGAAAGG
GAAATAAAAGGATCAAGAGAGAAGGTCATTAGTGATAAAGATCTAGAGTTGTTGTTAGATCGAAGTAT
CTTATTGATCAAATGAATGCTTCAGGACCAATTAAGAGAAGATGGGGATATTCAAGATATTAGAAAA
TCTGAAGATTCCAGTCTGAATGTTTGT
```

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC

**Protein Sequence:** >Peptide sequence encoded by RG239733  
 Blue=ORF Red=Cloning site Green=Tag(s)

MPAERPAGSGGSEAPAMVEQLDTAVITPAMLEEEEQLEAAGLERERKMLEKARMSWDRESTEIRYRRLQ  
 HLLLEKSNISYKFLLLTKMEQQLEEQKKKEKLERKKEKSLKVKKGKNSIDASEEKPVMRKKRGREDESINI  
 SEVMSKEEILSVAKKNKKENEDENSSTNLCEVDLQKNKDSNSIIKDRLSETVRQNTKFFDPRKCNQ  
 QPVPFQQPKHFTGGVMRWYQVEGMEWLRMLWENGINILADEMGLGKTVQCIATIALMIQRGVPGPFLV  
 CGPLSTLPNWMAEFKRFDPDIPTMLYHGTQEERQKLVRNIIYKRKGTLQIHPVVITSFEIAMRDRNALQH  
 CYWKYLIVDEGHRIKNMKCRILIRELKRFNADNKLLLGTPLQNNLSELWSLLNFLLPDVFDLKSFSW  
 FDITSLSETAEDIIAKEREQNVLHMLHQRIPRMYVSEFTDEGFFEGKLPKRDLDIRPYENTYLLKL  
 HTNFEILTPFLLRRLKSDVALEVPPKREVVVYAPLSKKQEIFYTAIVNRTIANMFGSSEKETIELSPTG  
 RPKRRTRKSINYSKIDDFPNELEKLISQIQPEVDRERAVVEVNIPVESEVNLKLQNMMLLRKCCNHPY  
 LIEYPIDPVTQEFKIDEELVTNSGKFLILDRMLPELKKRGHKVLLFSQMTSMLDILMDYCHLRDFNFSR  
 LDGMSYSEREKNMHSFNTDPEVFIPLVSTRAGGLGINLTAADTVIIYSDWNPQSDLQAQDRCHRIGQ  
 TKPVVVYRLVTANTIDQIVERAAAKRLEKLIHKNHFKGGQSGNLNLSKNFLDPKELMELLKSRDYER  
 EIKGSREKVISDKDLELLDRSDLIDQMNASGPIKEKMGIFKILENSEDSSPECLF  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP  
 SVIFTDKIIIRSNTVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001289067

**ORF Size:** 2652 bp

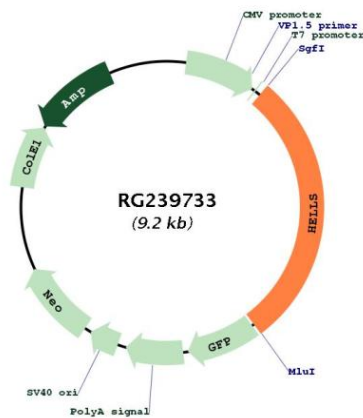
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

<b>Components:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_001289067.1</a> , <a href="#">NP_001275996.1</a>
<b>RefSeq Size:</b>	3301 bp
<b>RefSeq ORF:</b>	2655 bp
<b>Locus ID:</b>	3070
<b>UniProt ID:</b>	<a href="#">Q9NRZ9</a>
<b>Cytogenetics:</b>	10q23.33
<b>MW:</b>	103.2 kDa
<b>Gene Summary:</b>	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]

**Product images:**



Circular map for RG239733