

## Product datasheet for **RG239349**

### 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:	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:**

>RG239349 representing NM\_001289073.  
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGCAAGTGAAGAGAAGCCAGGAAATTTGTCTGTGGCTAAAAAATAAAAAGGAGAATGAGGATGAA
AACTCCTCCTACTAATCTCTGTGTGGAAGATCTTCAGAAAAATAAGATTGCAATAGTATAATTTAAA
GATAGATTGCTGAAACGGTTAGGCAGAATACTAAATTCCTTTTGGACCCAGTCCGGAAGTGAATGGT
CAGCCAGTACCTTTCAACAACCAAGCACTTCACTGGAGGAGTGATGCGATGGTACCAAGTAGAAGGC
ATGGAATGGCTTAGGATGCTTTGGGAAAATGGAATTAATGGCATTTTAGCAGATGAAATGGGATTGGGT
AAGACAGTTCAGTGCATTGCTACTATTGCATTGATGATTCAGAGAGGAGTACCAGGACCTTTTCTGTG
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ATGTTATATCATGGAACCCAGGAGAACGTCAAAAATGGTAAGAAATATTTACAAACGGAAAGGGACT
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TGCTATTGAAAATACTTAATAGTAGATGAAGGACACAGGATTAAGAATATGAAGTGCCGTCTAATCAGG
GAGTTAAAACGATTCAATGCTGATAACAACTTCTTTGACTGGTACTCCCTTGAAAACAAATTTATCA
GAATTTGGTCATTGCTAACTTTTGTGGCCAGATGATTTGATGACTTGAAAAGCTTTGAGTCTTGG
TTTGACATCACTAGTCTTTCTGAACTGCTGAAGATATTATTGCTAAAGAAAAGAGAACAGAAATGATTG
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CCTCCTAAACGAGAAGTAGTCGTTATGCTCCACTTTCAAAGAAGCAGGAGATCTTTTATACAGCCATT
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CGACAAAACGACGAAGTAAAAATCAATAAATTACAGCAAAATAGATGATTTCCCTAATGAATTGGAA
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GAATCTGAAGTTAATCTGAAGCTGCAGAATAAATGATGCTACTTCGTAATGTTGTAATCATCCATAT
TTGATTGAATATCCTATAGACCCTGTTACACAAGAATTTAAGATCGATGAAGAATTGGTAACAAATCT
GGGAAGTCTTGATTTTGGATCGAATGCTGCCAGAATAAAAAAAGAGGTCAACAAGGTGCTGCTTTTT
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GAAATAAAGGATCAAGAGAGAAGGTCAATAGTGATAAAGATCTAGAGTTGTTGTTAGATCGAAGTGAT
CTTATTGATCAAATGAATGCTTCAGGACCAATTAAGAGAAGATGGGGATATTCAAGATATTAGAAAAAT
TCTGAAGATTCAGTCTGAATGTTTGT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
  
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**Protein Sequence:** >Peptide sequence encoded by RG239349  
 Blue=ORF Red=Cloning site Green=Tag(s)

MQVKRSQEILSVAKNKKENEDENSSSTNLCVEDLQKNKDSNSIIKDRLSETRVQNTKFFFDVPRKCNG  
 QPVPFQQPKHFTGGVMRWYQVEGMEWLRMLWENGINILADEMGLGKTVQCIATIALMIQRGVPGFV  
 CGPLSTLPNWMAEFKRF TPDIP TMLYHGTQEERQKLV RNIYKRKGT LQIHPVVIT SFEIAMRDRNALQH  
 CYWKYLIVDEGHR IKNMKR LIRELKR FNADNK LLLTG TPLQNNLSELW SLLN FLLPDV FDDLKSFESW  
 FDITSLSETAEDI IAKEREQ NVLHMLHQ I LTPFLLRRLKSDVALEVPPKREV VVYAPLSKKQE IFYTAI  
 VNRTIANMFGSSEKETIELSPTGRPKRRTRKSYNSKIDDFPNELEKLSIQIQPEVDRERAVVEVNI  
 PV ESEVNLKLQNI MLLRKC CNHPYL IEYPIDPVTQEFKIDEELVTNSGKFLILDRMLPELKKRGHKVLLF  
 SQMTSMLDILMDYCHLRDFNFSRLDGSMSYSEREKNMHSFNTDPEVFI FLVSTRAGGLGINLTAADTVI  
 IYDSDWNPQSDLQAQDRCHRIGQTKPVVVYRLVTANTIDQKIVERAAAKRLEKLI IHKNHFKGGQSGL  
 NL SKNFLDPKELMELLKSRDYEREIKGSREKVISDKDLELLLD RSDLIDQMNASGPIKEKMGIFILEN  
 SEDSSPECLF  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV  
 MGYGFYHFGTYP SGYENPFLHAINNGGYNTRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPE  
 D SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001289073

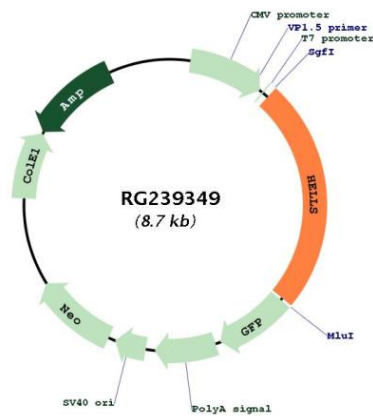
**ORF Size:** 2100 bp

**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.

<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_001289073.2</a>
<b>RefSeq Size:</b>	3098 bp
<b>RefSeq ORF:</b>	2103 bp
<b>Locus ID:</b>	3070
<b>UniProt ID:</b>	<a href="#">Q9NRZ9</a>
<b>Cytogenetics:</b>	10q23.33
<b>MW:</b>	81.5 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 RG239349