

## Product datasheet for **RG238451**

### 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:	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)
ORF Nucleotide Sequence:	>RG238451 representing NM_001289074. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGTGCCGTCTAATCAGGGAGTTAAAACGATTCAATGCTGATAACAACTTCTTTTGACTGGTACT
CCCTTGCAAAACAATTTATCAGAACTTTGGTCATTGCTAACTTTTTGTTGCCAGATGATTTTGATGAC
TTGAAAAGCTTTGAGTCTTGGTTTGACATCACTAGTCTTTCTGAAACTGCTGAAGATATTATTGCTAAA
GAAAGAGAACAGAATGTATTGCATATGCTGCACCAGATTTAACACCTTTCTTATTGAGAAGACTGAAG
TCTGATGTTGCTCTTGAAGTTCCTCCTAAACGAGAAGTAGTCGTTTATGCTCCACTTTCAAAGAAGCAG
GAGATCTTTTATACAGCCATTGTGAACCGTACAATTGCAAACATGTTTGGATCCAGTGAGAAAGAAACA
ATTGAGTTAAGTCTACTGGTCGACCAAAACGACGAACTAGAAAATCAATAAATTACAGCAAAATAGAT
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GAAGAATTGGTAACAAATTCGGGAAGTCTTGATTTTGGATCGAATGCTGCCAGAACTAAAAAAGA
GGTCACAAGGTGCTGCTTTTTTCACAAATGACAAGCATGTTGGACATTTTGGATGGATTACTGCCATCTC
AGAGATTTCAACTTCAGCAGGCTTGATGGTCCATGTCTTACTCAGAGAGAGAAAAAACATGCACAGC
TTCAACACGGATCCAGAGGTGTTTATCTTCTTAGTGAGTACACGAGCTGGTGGCCTGGCATTAACTCTG
ACTGCAGCAGATACAGTTATCATTATGATAGTGATTGGAACCCCAAGTCGGATCTTCAGGCCCAGGAT
AGATGTATAGAAATTGGTCAGACAAAGCCAGTTGTTGTTTATCGCCTTGTACAGCAAATACTATCGAT
CAGAAAATTGTGAAAGAGCAGCTGCTAAAAGGAACTGGAAAAGTTGATCATCCATAAAAAATCATTTTC
AAAGGTGGTCAGTCTGGATTAATCTGTCTAAGAATTTCTTAGATCCTAAGGAATTAATGGAATTTA
AAATCTAGAGATTATGAAAGGAAATAAAAGGATCAAGAGAGAAGGTCATTAGTGATAAAGATCTAGAG
TTGTTGTTAGATCGAAGTATCTTATTGATCAAATGAATGCTTCAGGACCAATTAAGAGAAGATGGGG
ATATTCAGATATTAGAAAATCTGAAGATTCAGTCTGAATGTTTGT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG238451  
 Blue=ORF Red=Cloning site Green=Tag(s)

MKCRLLIRELKRFNADNKKLLLTGTPLQNNLSELWSLLNFFLLPDVFDDLKSFESWFDITSLSETAEDIK  
 EREQNLHMLHQILTPFLLRRLKSDVALEVPPKREVVVYAPLSKKQEIFYTAIVNRTIANMFGSSEKET  
 IELSPGTGRPKRRTRKSINYSKIDDFPNELEKLSIQIQEVDRERAVVEVNIPVESEVNLKLQINIMLLR  
 KCCNHPYLIEYPIDPVTQEFKIDEELVTNSGKFLILDRMLPELKKRGHKVLLFSQMTSLDILMDYCHL  
 RDFNFSRLDGSMSYSERKMNHSFNTDPEVFI FLVSTRAGGLGINLTAADTVIIYDSDWNPQSDLQAQD  
 RCHRIGQTKPVVYRVLVTANTIDQKIVERAAAARKLEKLIHKNHFKGGQSGNLNLFDPKELMELL  
 KSRDYEREIKGSREKVISDKDLELLLDLDRDLIDQMNASGPIKEKMGIFKILENSEDSSPECLF  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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).

**RefSeq:** [NM\\_001289074.2](#)

RefSeq Size: 3082 bp

RefSeq ORF: 1434 bp

Locus ID: 3070

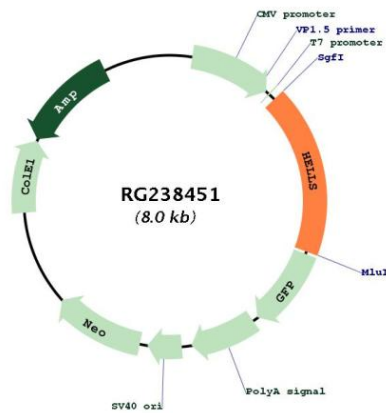
UniProt ID: [Q9NRZ9](#)

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]

### Product images:



Circular map for RG238451