

Product datasheet for **RG239456**

SMARCA6 (HELLS) (NM_001289070) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMARCA6 (HELLS) (NM_001289070) 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:**

>RG239456 representing NM_001289070.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCCAGCGGAACGGCCCGGGCAGCGCGGCTCGGAGGCTCCAGCAATGGTTGAACAACCTGGACACT
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GCTTCAGGACCAATTAAGAGAAGATGGGGATTTCAAGATATTAGAAAATCTGAAGATTCCAGTCTT
GAATGTTTGT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
  
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Protein Sequence: >Peptide sequence encoded by RG239456
 Blue=ORF Red=Cloning site Green=Tag(s)

MPAERPAGSGGSEAPAMVEQLDTAVITPAMLEEEEQLEAAGLERERKMLEKARMSWDRESTEIRYRLQ
 HLLKSNIYSKFLLLTKMEQQLEEQKKKEKLERKKEKSLKVKKGKNSIDASEEKPVMRKKRGREDESINI
 SEVMSKEEILSVAKKNKKNEDENSSSTNLCVEDLQKNKDSNSIIKDRLSETRQNTKFFDPRKCNQ
 QPVFPQPKHFTGGVMRWYQVEGMEWLRMLWENGINLADENGLGKTVCQCIATIALMIQRGVPVPLV
 CGPLSTLPNWMAEFKRFDPDIPMLYHGTQEERQKLVNIIYKRKGTQLIHPVVITSFEIAMRDRNALQI
 LTPFLRLRLKSDVALEVPPKREVVVYAPLSKKQEIFYTAIVNRTIANMFGSSEKETIELSPTGRPKRRT
 RKSINYSKIDDFPNELEKLISQIQPEVDRERAVVEVNIPESEVNLKLQINMMLLRKCCNHPYLIEYPI
 DPVTQEFKIDEELVTNSGKFLILDRMLPELKKRGHKVLLFSQMTSMLDILMDYCHLRDFNFSRLDGSMS
 YSERENMHSFNTDPEVFI FLVSTRAGGLGINLTAADTVIYDSWNPQSDLQAQDRCHRIGQTKPVVV
 YRLVTANTIDQKIVERAAAKRLEKLIHKNHFKGGQSGNLNLSKNFLDPKELMELLKSRDYEREIKGRS
 EKVISDKLELLLDSDLDIDQMNASGPIKEKMGIFKILENSEDSSPECLF
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNAVEHLHPMGDNDLDGSFTRTFLSRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001289070

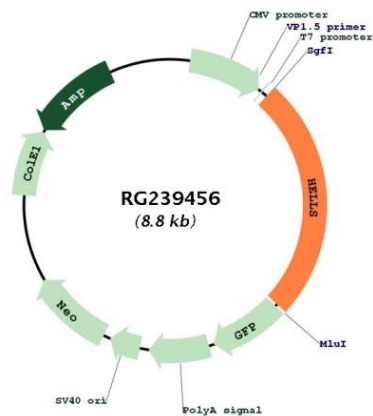
ORF Size: 2220 bp

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_001289070.1 , NP_001275999.1
RefSeq Size:	2869 bp
RefSeq ORF:	2223 bp
Locus ID:	3070
UniProt ID:	Q9NRZ9
Cytogenetics:	10q23.33
MW:	85.8 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 RG239456