

Product datasheet for **SC320719**

RUVBL2 (NM_006666) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: RUVBL2 (NM_006666) Human Untagged Clone
Tag: Tag Free
Symbol: RUVBL2
Synonyms: CGI-46; ECP-51; ECP51; INO80J; REPTIN; RVB2; TAP54-beta; TIH2; TIP48; TIP49B
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_006666.1
 GTTGGTGAGCATCATGGCAACCGTTACAGCCACAACCAAAGTCCCGGAGATCCGTGATGT
 AACAAAGGATTGAGCGAATCGGTGCCACTCCCACATCCGGGGACTGGGGCTGGACGATGC
 CTTGGAGCCTCGGCAGGCTTCGCAAGGCATGGTGGTCACTGGCGGCACGGCGGGCGGC
 TGGCGTGGTGCTGGAGATGATCCGGGAAGGAAGATTGCCGGTCCGGCAGTCCTTATTGC
 TGGCCAGCCGGGCACGGGAAGACGGCCATCGCCATGGGCATGGCGCAGGCCCTGGGCC
 TGACACGCCATTACAGCCATCGCCGCGCAGTAAATCTTCTCCCTGGAGATGAGCAAGAC
 CGAGGGCTGACGCAGGCCTTCCGGCGGTCCATCGGCCTCGCATCAAGGAGGAGACGGA
 GATCATCGAAGGGGAGGTGGTGGAGATCCAGATTGATCGACCAGCAACAGGGACGGGCTC
 CAAGGTGGGCAACTGACCCTCAAGACCACAGAGATGGAGACCATCTACGACCTGGGCAC
 CAAGATGATTGAGTCCCTGACCAAGGACAAGGTCCAGGCCGGGACGTGATCACCATCGA
 CAAGGCGACGGGCAAGATCTCCAAGCTGGGCCGCTCCTTACACGCGCCCGGACTACGA
 CGCTATGGGCTCCAGACCAAGTTCTGTGCAAGTGGCCAGATGGGGAGCTCCAGAAACGAA
 GGAGGTGGTGACACCCGTGTCCCTGCACGAGATCGACGTCATCAACTCTCGCACCCAGGG
 CTTCTGGCGCTCTTCTCAGGTGACACAGGGGAGATCAAGTCAGAAGTCCGTGAGCAGAT
 CAATGCCAAGGTGGTGGTGGAGTGGCGGAGGAGGGCAAGGCGGAGATCATCCCTGGAGTGT
 GTTCATCGACGAGGTCCACATGCTGGACATCGAGAGCTTCTCCTTCTCAACCGGCCCT
 GGAGAGTGACATGGCGCTGTCTGATCATGGCCACCAACCGTGGCATCACGCGAATCCG
 GGCACCAAGTACCAGAGCCCTACGGCATCCCCATAGACCTGCTGGACCGGCTGCTTAT
 CGTCTCCACCACCCCTACAGCGAGAAAGACACGAAGCAGATCCTCCGCATCCGGTGCGA
 GGAAGAAGATGTGGAGATGAGTGGAGACGCTACACGGTGTGACCCGCATCGGGCTGGA
 GACGCTACTGCGCTACGCCATCCAGCTCATCACAGCTGCCAGCTTGGTGTGCCGAAAACG
 CAAGGGTACAGAAGTGCAGGTGGATGACATCAAGCGGGTCTACTACTTCTTCTGGACGA
 GTCCCGCTCCACGAGTACATGAAGGAGTACCAGGACGCTTCTCTTCAACGAACCTCAA
 AGGCGAGACCATGGACACCTCTGAGTTGGATGTCATCCCCGACCCACCCTGTTTTCC
 ACCAGAGTTCTGACACTGTGACTCTGTATAAAATGGTTGGGAAGCTGCAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAA



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Restriction Sites:	Please inquire
ACCN:	NM_006666
OTI Disclaimer:	<p>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 or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_006666.1 , NP_006657.1
RefSeq Size:	1488 bp
RefSeq ORF:	1392 bp
Locus ID:	10856
UniProt ID:	Q9Y230
Cytogenetics:	19q13.33
Domains:	AAA
Protein Families:	Transcription Factors

Gene Summary:

This gene encodes the second human homologue of the bacterial RuvB gene. Bacterial RuvB protein is a DNA helicase essential for homologous recombination and DNA double-strand break repair. Functional analysis showed that this gene product has both ATPase and DNA helicase activities. This gene is physically linked to the CGB/LHB gene cluster on chromosome 19q13.3, and is very close (55 nt) to the LHB gene, in the opposite orientation. [provided by RefSeq, Jul 2008]