

Product datasheet for **SC315250**

WAPL (NM_015045) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WAPL (NM_015045) Human Untagged Clone
Tag:	Tag Free
Symbol:	WAPL
Synonyms:	FOE; KIAA0261; WAPAL
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_015045, the custom clone sequence may differ by one or more nucleotides

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ATGACATCCAGATTTGGGAAAACATACAGTAGGAAAGGTGGAATGGCAGTTCAAAATTC
GATGAAGTCTTTTCCAACAAACGGACTACCCTTAGCACAAAATGGGGAGAGACCACATTT
ATGGCTAAATTAGGGCAGAAGAGGCCCAATTTCAAACCAGATATCCAAGAAATCCGAAG
AAACCTAAAGTGGGAAGAAGAAAGTACTGGAGATCCTTTTGGATTTGATAGTGATGATGAG
TCTCTACCAGTTTCTTCAAAGAATTTAGCCAGGTTAAGTGTTCCTTATTTCAGAATCT
AGTGAAGCTGCTCAGTTGGAAGAGGTCACCTCAGTACTGAAGCTAATAGCAAAATTAGT
CATGTGGTCGTTGAAGACTGTCGTTTCTGATAAATGCTTCCCTTTGGAGGACACTTTA
CTTGGGAAAGAAAAGAGCACAAACCGAATTGTAGAAGATGATGCAAGCAT AAGTAGCTGT
AATAAATTAATAACTTCAGATAAAGTGGAGAATTTTCATGAAGAACATGAAAAGAATAGT
CACCATATTCACAAAATGCTGATGACAGTACTAAGAAACCCAATGCAGAAAACACAGTG
GCTTCTGAAATCAAGGAAACAAATGATACTTGGAACTCCCAGTTTGGGAAAAGGCCAGAA
TCACCATCAGAAATATCTCCAATCAAGGGATCTGTTAGAAGTGGTTTGTGTTGAATGGGAT
AATGATTTTGAAGATATCAGATCAGAAGACTGTATTTAAGTTTGGATAGTGATCCCTT
TTGGAGATGAAGGATGACGATTTTAAAAATCGATTGGAATCTGAATGAAGCCATTGAG
GAAGATATTGTACAAAGTGTCTTAGGCCAACCAACTGTAGGACGTAAGTGTAGGGCCAAT
AAAACGAAATCCTCCAAGGAGCATCAAATTTTGATAAGCTGATGGACGGCACCAGTCAG
GCCTTAGCCAAAGCAAACAGTGAATCGAGTAAAGATGGCCTGAATCAGGCAAAGAAAGGG
GGTGTAAGTTGTGGGACCAGTTT TAGAGGGACAGTTGGACGGACTAGAGATTACACTGTT
TTACATCCATCTTGCTTGTGAGTTTGTAAATGTTACCATACAGGATACTATGGAACGCAGC
ATGGATGAGTTCACTGCATCCACTCCTGCAGATTTGGGAGAAGCTGGTCGTCAGAAAA
AAGGCAGATATTGCAACTTCTAAGACTACTACTAGATTTGACCTAGTAATACTAAATCC
AAAAAGGATGTTAACTTGAATTTTTGGTTTTGAAGATCATGAGACAGGAGGTGATGAA
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AGTCAGTCTGGTACTAACAATGCAGAAAACCTGGATTTTACAGAGGACTTGCCTGGTGTG
CCTGAAAGTGTGAAGAAGCCATAAATAACAAGGAGATAAATCAAAGGAAAATACCAGA
AAGATTTTGTAGTGGCCCCAACGGTCACCCACAAAAGCTGTATATAATGCCAGACATTGG
AATCATCCAGATTCAGAAGAAGTGCCTGGGCCACCAGTAGTAAAACCTCAGAGTGTCA

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GTGAGGCTGTCTTCAAAGGAACCAATCAAAAAGATGATGGAGTTTTTAAGGCTCTGCA
CCACCATCCAAAGTGATAAAAACCTGTGACAATACCTACTCAGCCCTACCAAGATATAGTT
ACTGCACTGAAATGCAGACGAGAAGACAAAAGATTATATACTGTTGTTCCAGCACGTGAAG
CACTTCAACGATGTTGTAGAATTTGGTAAAAATCAAGAGTTCACTGATGACATTGAGTAC
TTGTTAAGTGGCTTAAAGAGCACTCAGCCTCTAAACACACGTTGCCTTAGTGTTATTAGC
TTGGCTACTAAATGTCCATGCCAGTTTTCGAATGCACCTGAGAGCACATGGGATGGTA
GCAATAGTCTTTAAAACCTTGGATGATTTCCAGCACCATCAGAATCTGTCCTCTGTACA
GCTGCCCTCATGTATATACTGAGTAGAGATCGTTTGAACATGGATCTTGATAGAGCTAGC
TTAGATCTAATGATTGACTTTTTGGAACGGAACAAGATGCTTCATCAGCCAAGCTACTG
AATGAAAAGACATGAACAAAATTAAGAAAAAATCCGAAGGCTCTGTGAAACTGTACAC
AACAAAGCATCTTGATCTAGAAAATATAACGACTGGGCATTTAGCTATGGAGACATTATTA
TCCCTTACTTCTAAACGAGCAGGAGACTGGTTTAAAGAAGAACTCCGGCTTTTGGGTGGT
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GAAGAGAAACTGGTAGCCTCACTATGGGGAGCAGAGAGATGTTTACGAGTTTTAGAAAGT
GTAAGTGTGCATAATCCCGAAAATCAAAGCTACTTGATAGCATATAAAGATTCCTCAACTT
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GCTGAGGACAGCATATGCTTAGCTGACAGTAAGCCTCTGCCTCACCAGAATGTAACATAAC
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GCGCTGAACTGTGTGCTTCAAGTTCCAAAGTACCTACCTCAGGAGCAGAGATTTGATATT
CGAGTGTGGGCTTAGGTCTGCTGATAAATCTAGTGGAGTATAGTGTCCGGAATCGGCAC
TGTCTTGTCAACATGGAACATCGTCTCTTTTATTCTTCCATCTGTAGTGGAGAAGGG
GATGATAGTTTAAAGGATAGGTGGACAAGTTCATGCTGTCCAGGCTTTAGTGCAGCTATTG
CTTGAGCGAGAGCGGGCAGCCAGCTAGCAGAAAAGTAAAACAGATGAGTTGATCAAAGAT
GCTCCCACTCAGCATGATAAGAGTGGAGAGTGGCAAGAAAACAAGTGGAGAAATACAG
TGGGTGTCAACTGAAAAGACTGATGGTACAGAAGAGAAACATAAGAAGGAGGAGGAGGAT
GAAGAAGTACCTCAATAAAGCCCTTACAGCATGCCGGCAAACACATGGAGGATTGCATT
GTGGCCTCTACACAGCACTACTTCTTGGGTGCTCTGCCAGGAAAGTCCAATCAATGTA
ACCACTGTGCGGGAATATCTGCCAGAAGGAGACTTTTCAATAATGACAGAGATGCTCAA
AAATTTTTGAGTTTTATGAATCTCACTTGTGCTGTTGGAACAACCTGGCCAGAAATCTATC
TCTAGAGTGATTGAATATTTGGAACATTGC
    
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Restriction Sites:

Please inquire

ACCN:

NM_015045

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 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 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:	<u>NM_015045.1</u> , <u>NP_055860.1</u>
RefSeq Size:	6307 bp
RefSeq ORF:	3573 bp
Locus ID:	23063
UniProt ID:	<u>Q7Z5K2</u>
Cytogenetics:	10q23.2
Gene Summary:	<p>Regulator of sister chromatid cohesion in mitosis which negatively regulates cohesin association with chromatin. Involved in both sister chromatid cohesion during interphase and sister-chromatid resolution during early stages of mitosis. Couples DNA replication to sister chromatid cohesion. Cohesion ensures that chromosome partitioning is accurate in both meiotic and mitotic cells and plays an important role in DNA repair.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>