

Product datasheet for **RC223690**

WAPL (NM_015045) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WAPL (NM_015045) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	WAPL
Synonyms:	FOE; KIAA0261; WAPAL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC223690 representing NM_015045. Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGACATCCAGATTTGGGAAAACATACAGTAGGAAAGGTGGAATGGCAGTTCAAATTCGATGAAGTC
 TTTTCCAACAAACGACTACCTTAGCACAAAATGGGGAGAGACCACATTTATGGCTAAATTAGGGCAG
 AAGAGGCCCAATTTCAAACAGATATCCAAGAAATTCGAAGAAACCTAAAGTGAAGAAGAAAGTACT
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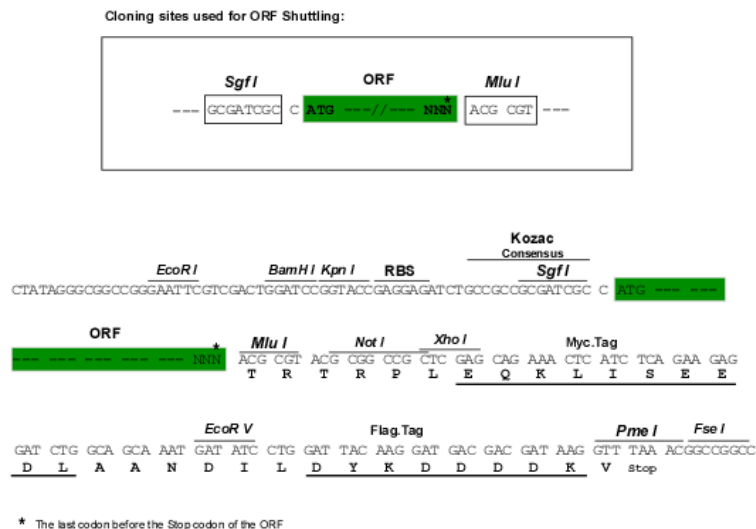
Protein Sequence: >Peptide sequence encoded by RC223690
 Blue=ORF Red=Cloning site Green=Tag(s)

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 EAIEEDIQSVLRPTNCRITYCRANKTKSSQGASNFDKLMGTSQALAKANSESSKDGLNQA KGGVSCG
 TSFRGTGVRTRDYTVLHPSCLSVCNVTIQDTMERSMDEFTASTPADLGEAGRLRKKADIATSKTTTRFR
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 YNRAEDSICLADSKPLPHQNVTNHVGKAVEDCMRAIIGVLLNL TNDNEWGSTKTGEQDGLIGTALNCVL
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 LNKALQHAGKHMEDCIVASYTALLGCLCQESPINVTTVREYLPEGDFSIMTEMLKKFLSFMNLTCAVG
 TTGQKSISRVI EYLEHC
 TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8046_f02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

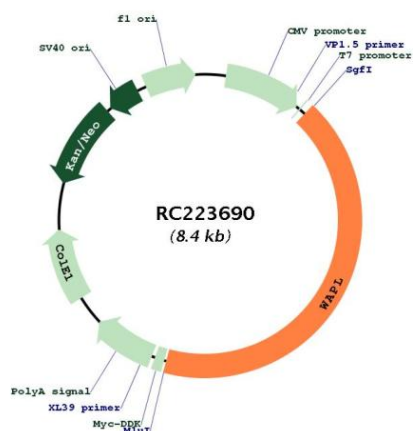


ACCN: NM_015045

ORF Size: 3570 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).
Reconstitution Method:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_015045.5
RefSeq Size:	6307 bp
RefSeq ORF:	3573 bp
Locus ID:	23063
UniProt ID:	Q7Z5K2
Cytogenetics:	10q23.2
MW:	132.9 kDa
Gene Summary:	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]

Product images:



Circular map for RC223690