

Product datasheet for **MC223926**

Wapl (NM_001004436) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Wapl (NM_001004436) Mouse Untagged Clone
Tag: Tag Free
Symbol: Wapl
Synonyms: A530089A20Rik; BC037674; DIF-2; FOE; W; Wapal
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC223926 representing NM_001004436
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACATCCAGATTTGGAAAACTTACAGTAGGAAAGGAGGAAATGGCAGTTCAAAATTTGATGAAGTTT
TTTCCAACAAACGGACTACTCTTAGTACAAAATGGGGTGAGACCACATTTATGGCTAAATTAGGGCAGAA
GAGGCCAATTTCAAACCAGATATTCAAGAAATCCGAAGAAACCTAAAGTAGAAGAAGAAGATACTGGA
GATCCCTTTGGTTTTGATAGTGATGATGAGTCTCTACCTGTTTCTTCAAAAAATTTAGCCCAGGGTAAGG
GTTTCATCTTACTCAGAATCTAGTGAGGCTGCTCAGCTGGAAGAAGTCACCTCTGTATTTGAAGCTAATAG
CAAATGTAGTCATGTGGTGGGTGAAGACAGTTTTGCTTCCGACAGATGCTTACTTGTGGAGGATACTTTA
ATTGGGAAAGAGAAGAGCATAAGTAGAATTCAGAAAGACAACGCAAAACAAAAGTAGTTGCACTAAGTTGC
TAACCTCAGATAAAGTGGAGAATTTTAGTGAAGAACATGAAAAAATAGTCACCACCTTTCACAAAAATGC
TGAAGATAGTACTAAGAAACCAATGCAGAAACCGCAGTGGCTTCTGAATATAAAGCTGATGAACTAAA
GAAACAAATGATACTTGGAACTCCAGTCTGGAAAAAGAACAGAGTCTCCATCTGAAAGTTGTCAGTCA
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GAAAATCTAAATGAAACCTTTGAAGAAGATATCATACAAAGTGTCTTAGGCCAAGCAACTGTAGGACGT
ACTGTAGGGCCAATAAAGCGGAGATCCTCACAGGGAGCATCAAATTTTATAAGCTAATGGATGGCACCAG
TCAGTCTTAGCCAAAGCAAACAGTGAATCAAGTAAAGATGGCCTGAATCAGGCAAGAAAGGATAGTGCA
AGTTGTGGGACCAGTTTTCGAGGAACAGTTGGACGGACTAGAGATTACACTGTTTTACATCCATCTTGCT
TGTCAGTGTGTAATGTTACCATCCAGGATACTATGGAACGGAGTATGGATGAGTTCACCGCATCCACTCC
TGCAGATTTAGGAGAGGCTGGCCGGCTCAGAAAAAGGCAGATATTGCAACCTCCAAGCCACTACTAGA
TTTCGACCTAGTAATACTAAATCCAAAAAGGATGTTAACTTGAATTTTTGGTTTTGAAGATCATGATG
AGACAGGAGGTGATGAAGGGGTTCTGGAAGTTCTAATTACAAAATTAATATTTTGGCTTTGACGATCT
CAGCGAAAGTGAAGATGATGATGATGACGACTGTCAAGTGGAAAGAAAGAACAAAAAGAACTAAA



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ACAGCTCCATCACCTTCCCAGCAGCCTCCTCTGAAAGCAGCGACAATCCCAGGATAGTCAGTCTAGTA
 CTAATAATGCAGAAAACCTGGATTTTACAGAGGACTTGCCTGGTGTGCCTGAGAGTGTGAAGAAGCCAT
 AAGTAAACAAGGAGATAAATCCAAGGAAAATACCAGAAAGATTTTGTAGGGCCCAACGGTCACCTACA
 AAAGCTGTATATAATGCCAGGCATTGGAACCATCCAGACTCGGAAGAATTGCCTGGACCACCAATAGCAA
 AACCTCAGCGTGTACAGTGAGGCTGTCTTCAAAGGAACCAATCAAAAAGATGATGGAGTTTTAAGGC
 TCCTGCACCACCACTCAAAGTGATAAAAACCTGTGACAATACCTACTCAGCCCTACCAAGAAATAGTTACT
 GCACTGAAATGCAGAAAAGAAGCAAGAATTATATACTGTTGTCAGCACGTGAAACACTTCAATGATG
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 GTTTACGAGTTTTAGAGAGTGTAAACAGTGCATAATCCAGAGAATCAAAGCTACTTGATAGCCTATAAAGA
 TTCACAACCTATTATTTTCATCAGCTAAAGCATTACAGCATTGTGAAGACCTGATTCAGCAGTACAACCGT
 GCTGAGAACAGCATCTGTGTAGCAGACAGTAACCTCTGCCTTACCAGAAATGTAACCTAACCATGTGGGCA
 AAGCAGTGGAGGACTGCATGAGGGCTATAATTGGAGTATTGCTCAATTTAACTAATGATAATGAGTGGGG
 CAGCACAAAGACAGGAGAACAAGAAGGACTCATAGGCACAGCGATGAACTGTGTTCTTCAGGTTCCAAAG
 TACCTACCTCAGGAGCAGAGATTTGATATTCGAGTGTGGGATTGGGTCTACTATAAACCTGGTGGAGT
 ATAGTGCCCGGAATCGACACTGCCTTGTCAACATGCAAACATCCTGTTCCCTTTGATTCCTCCTTCTCTAG
 TGGAGAAGGCGATCATAGTTTAAAGGCTAGCCGGACAAGTTCATGCTGTTCAAGCTTTAGTGCAGCTATTT
 CTCGAACGAGAGAGAGCAGCACAATTGGCAGAAAAGTAAAACAGATGAATTGATTAAGATGCTCCTACCA
 CTCAGCATGATAAGAGTGGAGAGTGGCAAGAAAACAAAGTGGAGAAAACAGTGGGTATCAACTGAAAAGAC
 TGATGGTGCAGAGGAGAAGCAGAAGAAGGAGGAGGAGGATGAAGAAGTGGACCTCAATAAAGCCCTTCAG
 CATGCTGGCAAACACATGGAGGATTGCATCGTAGCCTCTACACAGCCCTGCTTCTGGGTGTCTCTGCC
 AGGAAAGTCCAATCAATGTAACACAGTAAGGGAATATCTCCAGAAGGAGATTTCTCCATAATGACAGA
 GATGCTTAAAAAGTTCTTAAGCTTCATGAATCTTACGTGTGCTGTTGGAACAACAGGCCAGAAGTCTATC
 TCTAGAGTGATTGAATTTTGGAACTTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001004436
- Insert Size:** 3603 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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.

RefSeq: [NM_001004436.4](#), [NP_001004436.2](#)

RefSeq Size: 6371 bp

RefSeq ORF: 3603 bp

Locus ID: 218914

UniProt ID: [Q65Z40](#)

Cytogenetics: 14 B

Gene Summary: Studies suggest that the protein encoded by this gene is important for the release of cohesin from chromatin. This gene product is thought to be essential for development, and reduced expression of this gene in cells causes defects in chromatin structure. High levels of expression of this gene in cells causes defects in chromatin structure. High levels of expression of the human ortholog of this gene are observed in cervical cancers, and expression of the human ortholog of this gene in mice results in tumor formation. Alternative splicing results in multiple transcript variants encoding different protein isoforms. [provided by RefSeq, Aug 2014]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).