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Product datasheet for MC229463

Wapl (NM_001301330) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wapl (NM_001301330) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Wapl
Synonyms:	A530089A20Rik; BC037674; DIF-2; FOE; W; Wapal
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC229463 representing NM_001301330 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGACATCCAGATTTGGAAAAACTTACAGTAGGAAAGGAGGAAATGGCAGTTCAAAATTTGATGAAGTTT TTTCCAACAAACGGACTACTCTTAGTACAAAATGGGGTGAGACCACATTTATGGCTAAATTAGGGCAGAA GAGGCCCAATTTCAAACCAGATATTCAAGAAATTCCGAAGAAACCTAAAGTAGAAGAAGAAGATACTGGA GATCCCTTTGGTTTTGATAGTGATGATGAGTCTCTACCTGTTTCTTCAAAAAATTTAGCCCAGGGTAAGG GTTCATCTTACTCAGAATCTAGTGAGGCTGCTCAGCTGGAAGAAGTCACTTCTGTATTTGAAGCTAATAG CAAATGTAGTCATGTGGTGGGTGAAGACAGTTTTGCTTCCGACAGATGCTTACTTGTGGAGGATACTTTA ATTGGGAAAGAGAAGAGCATAAGTAGAATTCCAGAAGACAACGCAAACAAAAGTAGTTGCACTAAGTTGC TAACTTCAGATAAAGTGGAGAATTTTAGTGAAGAACATGAAAAAAATAGTCACCACTTTCACAAAAATGC TGAAGATAGTACTAAGAAACCCAATGCAGAAACCGCAGTGGCTTCTGAATATAAAGCTGATGAAACTAAA GAAACAAATGATACTTGGAACTCCCAGTCTGGAAAAAGAACAGAGTCTCCATCTGAAAGTTGTCCAGTCA AAGGATCTGTAAGAACTGGTTTATATGAATGGGATAATGATTTTGAAGATATCAGGTCAGAAGACTGTAT TTTAAGTTTGGATAATGAGTCTCTTTTGGAGATGAAAGACGAGGATTTAAAAAATCGGATTGGAGGATTG GAAAATCTAAATGAAACCTTTGAAGAAGATATCATACAAAGTGTTCTTAGGCCAAGCAACTGTAGGACGT ACTGTAGGGCCAATAAAGCGAGATCCTCACAGGGAGCATCAAATTTTGATAAGCTAATGGATGGCACCAG TCAGTCCTTAGCCAAAGCAAACAGTGAATCAAGTAAAGATGGCCTGAATCAGGCAAAGAAAGGTAGTGCA AGTTGTGGGACCAGTTTTCGAGGAACAGTTGGACGGACTAGAGATTACACTGTTTTACATCCATCTTGCT TGTCAGTGTGTAATGTTACCATCCAGGATACTATGGAACGGAGTATGGATGAGTTCACCGCATCCACTCC TGCAGATTTAGGAGAGGCTGGCCGGCTCAGAAAAAAGGCAGATATTGCAACCTCCAAGACCACTACTAGA TTTCGACCTAGTAATACTAAATCCAAAAAGGATGTTAAACTTGAATTTTTTGGTTTTGAAGATCATGATG AGACAGGAGGTGATGAAGGGGGTTCTGGAAGTTCTAATTACAAAATTAAATATTTTGGCTTTGACGATCT CAGCGAAAGTGAAGATGATGATGATGACGACTGTCAAGTGGAAAGAAAGAAAGACAAAAAAAGAACTAAA ACAGCTCCATCACCTTCCCAGCAGCCTCCTCCTGAAAGCAGCGACAATTCCCAGGATAGTCAGTCTAGTA

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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001301330
Insert Size:	3585 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001301330.1, NP_001288259.1
RefSeq Size:	6353 bp
RefSeq ORF:	3585 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 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 (2) uses an alternate in-frame splice site in the coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.