

Product datasheet for **SC110442**

WAC (NM_100264) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	WAC
Synonyms:	BM-016; DESSH; PRO1741; Wwp4
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF:

>OriGene sequence for NM_100264 edited
 GAATTGCGCACGAGGCTCCCCCTCCCCGACACACTCACAGGCCGGGCATTGATGGTA
 ATGTATGCGAGGAAACAGCAGAGACTCAGTGATGGCTGTCACGACCGGAGGGGGACTCG
 CAGCCTTACCAGGCACTTAAGTATTCATCGAAGAGTCACCCAGTAGCGGTGATCACAGA
 CATGAAAAGATGCGAGACGCCGAGATCCTTACCACCAAATAAAATGTTGCGGAGATCT
 GATAGTCCTGAAAACAAATACAGTGACAGCACAGGTACAGTAAGGCCAAAAATGTGCAT
 ACTCACAGAGTTAGAGAGAGGGATGGTGGGACCACTTACTCTCCACAAGAAAAATTCACAC
 AACCACAGTGCTCTTCATAGTTCAAATTCACATTCTTCTAATCCAAGCAATAACCCAAGC
 AAAACTTCAGATGCACCTTATGATTCTGCAGATGACTGGTCTGAGCATATTAGCTCTTCT
 GGGAAAAAGTACTACTACAATTGTGCAACAGAAGTTTCAATGGGAAAAACAAAAGAG
 TGGCTTGAAAGAGAACAGAGACAAAAGAAGCAAACAAGATGGCAGTCAACAGCTTCCCA
 AAAGATAGGGATTACAGAAGAGAGGTGATGCAAGCAACAGCCACTAGTGGGTTTGCCAGT
 GGAATGGAAGACAAGCATTCCAGTGATGCCAGTAGTTTGCTCCACAGAATATTTGTCT
 CAAACAAGCAGACACAATGACAGAGACTACAGACTGCCAAGAGCAGAGACTCACAGTAGT
 TCTACGCCAGTACAGCACCCCATCAAACAGTGGTTTCACTCAACTGCTACCCCAAGCACT
 GTTCCTTCTAGTCCATTTACGCTACAGTCTGATCACCAGCCAAAGAAATCATTTGATGCT
 AATGGAGCATCTACTTTATCAAACTGCCTACACCCACATCTTCTGTCCCTGCACAGAAA
 ACAGAAAGAAAAGAATCTACATCAGGAGACAAACCCGATCACATTCTTGCACAACCTCT
 TCCAGTCTTCTGCCTCTGGACTGAACCCACATCTGCACCTCAACATCTGCTTCAGCG
 GTCCCTGTTTCTCCTGTTCCACAGTCGCCAATACCTCCCTTACTTCAGGACCCAAATCTT
 CTTAGACAATTGCTTCTGCTTTGCAAGCCACGCTGCAGCTTAATAATTCTAATGTGGAC
 ATATCTAAAATAAATGAAGTTCTTACAGCAGCTGTGACACAAGCCTCACTGCAGTCTATA
 ATTCATAAGTTTCTTACTGCTGGACCATCTGCTTTCAACATAACGCTCTGATTTCTCAA
 GCTGCTCAGTCTCTACACAAGCCAGCCATCTAATCAGTCTCCGATGTCTTTAACATCT
 GATGCGTCATCCCCAAGATCATATGTTTCTCCAAGAATAAGCACACCTCAAACTAACACA
 GTCCCTATCAAACCTTTGATCAGTACTCCTCCTGTTTCATCACAGCCAAAGGTTAGTACT
 CCAGTAGTTAAGCAAGGACCAAGTGTACAGTCAGCCACACAGCAGCCTGTAAGTGTGAC
 AAGCAGCAAGGTCATGAACCTGTCTCTCCTCGAAGTCTTCAGCGCTCAAGTAGCCAGAGA
 AGTCCATCACCTGGTCCCAATCATACTTCTAATAGTAGTAATGCATCAAATGCAACAGTT
 GTACCACAGAATTCTTCTGCCGATCCACGTGTTTCAATACGCCTGCACTAGCAGCACAC
 TTCAGTGAAAATCTCATAAAACACGTTCAAGGATGGCCTGCAGATCATGCAGAGAAGCAG
 GCATCAAGATTACGCGAAGAAGCGCATAACATGGGAATATTACATGTCCGAAATTTGT
 ACTGAATTAATAAATTTAAGATCTTTAGTCCGAGTATGTGAAATCAAGCAACTTTGCGA
 GAGCAAAGGATACTATTTTGGAGACAACAAATTAAGGAACCTGAAAAGCTAAAAATCAG
 AATTCCTTCATGGTGTGAAGATGTGAATAATTGCACATGGTTTTGAGAACAGGAAGTGA
 AATCTGTTGCCAATCTTAACATTTTGGAGCTGCATTTAAGTAGACTTTGGACCGTTAAG
 CTGGGCAAAGGAAATGACAAGGGGACGGGGTCTGTGAGAGTCAATTCAGGGGAAAGATAC
 AAGATTGATTTGTAACCCCTTGAATGTAGATTTCTGTAGATGTATCCTTCACGTTGT
 AAATATGTTTTGTAGAGTGAAGCCATGGGAAGCCATGTGTAAACAGAGCTTAGACATCCAA
 AACTAATCAATGCTGAGGTGGCTAAATACCTAGCCTTTTACATGTAAACCTGTCTGCAAA
 ATTAGCTTTTTTAAAAAAAAAAAAAAAAAACTCGAC

5' Read Nucleotide

Sequence:

>OriGene 5' read for NM_100264 unedited
 GTTGGATTTTGTAAACGACTTCACTATAGGGCGGCCGGAATTCGCACGAGGCTCCCC
 CTCCCCGACACACACTCACAGGCCGGGCATTGATGGTAATGTATGCGAGGAAACAGCAGA
 GACTCAGTGATGGCTGTACGACCGGAGGGGGGACTCGCAGCCTTACCAGGCACCTAAGT
 ATTCATCGAAGAGTCACCCAGTAGCGGTGATCAGAGCATGAAAAGATGCGAGACGCCG
 GAGATCCTTACCACCAATAAAATGTTGCGGAGATCTGATAGTCTGAAAACAAATACA
 GTGACAGCACAGGTCACAGTAAGGCCAAAAATGTGCATACTCAGAGTTAGAGAGAGGG
 ATGGTGGGACCACTACTCTCCACAAGAAAATTCACACAACCACAGTGCTCTTCATAGTT
 CAAATTCACATTCTTCTAATCCAAGCAATAACCCAAGCAAACTTCAGATGCACCTTATG
 ATTCTGCAGATGACTGGTCTGAGCATATTAGCTCTTCTGGGAAAAAGTACTACTACAATT
 GTGCAACAGAAGTTTCACAATGGGAAAAACCAAGAGTGGCTTGAAAGAGAACAGAGAC
 AAAAAAGAGCAAAACAGATGGCAGTCAACAGCTTCCCAAAAGATAGGGATTACAGAAGAG
 AGGTGATGCAAGCAACAGCCACTAGTGGGTTTTGCCAGTGGAATGGAAGACAGCATTCC
 AGTGATGCCAGTAGTTTGTCTCCACAGAATATTNTGTCTCANNACAGCAGACCATGAC
 AGAGACTACAGACTGCCAAGAGCAGAGACTCAGTAGTTCTACGCCAGTACAGACCCCC
 ATCAAACCAGTGGTNTCATCCAAGTCTACCCAGCACTGNTCCTTCTAGTCCATTTACG
 CTACAGTCTGATCACCAGCCAAGAAATCATTTGATGCTT

3' Read Nucleotide

Sequence:

>OriGene 3' read for NM_100264 unedited
 CGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTAAAAACTAATTTTGCAGACA
 GGTTTACATGTAAAGGCTAGGTATTTAGCCACCTCAGCATTGATTAGTTTGGATGTCT
 AAGCTCTGTACACATGGCTTCCCATGGCTTCACTCTACAAACATATTTACACGTGAA
 GGATACATCTACAAGAAATCTACATTTCAAGGGTTTTACAAATCAATCTGTATCTTTCC
 CCTGAATTGACTCTCACAGACCCCGTCCCTTGTCAATTCCTTTGCCAGCTTAACGGTC
 CAAAGTCTACTTAAATGCAGCTCAAAAAATGTTAAGATTGGGCAACAGATTACAGTTCCT
 GTTCTCAAAACCATGTGCAATTATTCACATCTTACACCATGAAGGAATCTGATTTTTT
 AGCTTTTCAAGTTCCTTAATTTGTTGTCTAAAAATAGTATCCTTTGCTCTCGAAAGTT
 GCTTGAATTTACATACTCGGACTAAAGATCTTAAATTTTTTAATTCAGTACAAATTTG
 GACATGTGAATAGTTCCTATGTTATGCGCTTCTTCGCGTAATCTTGATGCCTGCTTCTCT
 GCATGATCTGCAGGCCATCCTTGAACGTGTTTTATGAGATTTTCACTGAAGTGTGCTGCT
 AGTGCAGGCGTTAATGAACACGTGGATCGGCAGAGAATCTGTGGTACAACGTGTTGCA
 TTTGATGCATTACTACTATTANAAGTATGATTGGGACCAGGTGATGGACTTCTCTGGGCT
 ACTGAGCGCTGAAGACTTCGAGGAGAGACAGGTTGATGACCTTGCTGNCTGTCAGCAGNT
 ACAGGCTGCTGNGTGGCTGACTGTGACACTGGTCTTGTCTTACTACTGGAGTACTAACC
 CTTGGCTGGGATGAACGAAGAGTACTGATCAAGGTTGAAGGGACGGGTATTTAAGGGT
 GCTATCTTGAAACTATGACTG

Restriction Sites:

NotI-NotI

ACCN:

NM_100264

Insert Size:

2440 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_100264.1, NP_567822.1</u>
RefSeq Size:	3088 bp
RefSeq ORF:	1809 bp
Locus ID:	51322
UniProt ID:	<u>Q9BTA9</u>
Cytogenetics:	10p12.1-p11.2
Domains:	WW
Gene Summary:	The protein encoded by this gene contains a WW domain, which is a protein module found in a wide range of signaling proteins. This domain mediates protein-protein interactions and binds proteins containing short linear peptide motifs that are proline-rich or contain at least one proline. This gene product shares 94% sequence identity with the WAC protein in mouse, however, its exact function is not known. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2008] Transcript Variant: This variant (2) contains an alternate 5' terminal exon, and it thus differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (2) is shorter at the N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.