

Product datasheet for **RC224250**

WAC (NM_100486) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	WAC
Synonyms:	BM-016; DESSH; PRO174I; Wwp4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC224250 representing NM_100486
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGTAATGTATGCGAGGAAACAGCAGAGACTCAGTGATGGCTGTCACGACCGAGGGGGGACTCGCAGC
 CTTACCAGGCACTTAAGTATTCATCGAAGAGTCAACCCAGTAGCGGTGATCACAGACATGAAAAGATGCG
 AGACGCCGGAGATCCTTACCACCAATAAAATGTTGCGGAGATCTGATAGTCTGAAAACAAATACAGT
 GACAGCACAGGTCACAGTAAGGCCAAAAATGTGCATACTCACAGAGTTAGAGAGAGGGATGGTGGGACCA
 GTTACTCTCCACAAGAAAATTCACACAACCACAGTGCTCTTCATAGTTCAAATTCACATTCTTCTAATCC
 AAGCAATAACCCAAAGCAAAACTTCAGATGCACCTTATGATTCTGCAGATGACTGGTCTGAGCATATTAGC
 TCTTCTGGGAAAAAGTACTACTACAATTGTGCAACAGAAGTTTACAATGGGAAAAACCAAAAGAGTGGC
 TTGAAAGAGAACAGAGACAAAAGAAGCAACAAGATGGCAGTCAACAGCTTCCAAAAGATAGGGATTA
 CAGAAGAGAGGTGATGCAAGCAACAGCCACTAGTGGGTTTGCCAGTGGAAAATCTACATCAGGAGACAAA
 CCCGTATCACATTCTGCACAACCTCTCCACGTCTTCTGCCTCTGGACTGAACCCACATCTGCACCTC
 CAACATCTGCTTACGCGTCCCTGTTTCTCCTGTTCCACAGTCGCCAATACCTCCCTTACTTCAGGACCC
 AAATCTTCTTAGACAATTGCTTCTGCTTTGCAAGCCACGCTGCAGCTTAATAATTCTAATGTGGACATA
 TCTAAAATAATGAAGTTCTTACAGCAGCTGTGACACAAGCCTCACTGCAGTCTATAATTCATAAGTTTC
 TTAGTCTGGACCATCTGCTTTCAACATAACGTCTCTGATTCTCAAGCTGCTCAGCTCTCTACACAAGC
 CCAGCCATCTAATCAGTCTCCGATGTCTTAAACATCTGATGCGTCATCCCAAGATCATATGTTTCTCCA
 AGAATAAGCACACCTCAAATAACACAGTCCCTATCAAACCTTTGATCAGTACTCTCTGTTTCATCAC
 AGCCAAAGGTTAGTACTCCAGTAGTTAAGCAAGGACCAAGTGCACAGTCAGCCACACAGCAGCTGTAAC
 TGCTGACAAGCAGCAAGGTCATGAACCTGTCTCTCCTCGAAGTCTTCAGCGCTCAAGTAGCCAGAGAAGT
 CCATCACCTGGTCCAATCATACTTCTAATAGTAGTAATGCATCAAATGCAACAGTTGTACACAGAATT
 CTTCTGCCCGATCCACGTGTTTCATTAAACGCTGCACTAGCAGCACACTTCAGTAAAAATCTCATAAAACA
 CGTTCAAGGATGGCCTGCAGATCATGCAGAGAAGCAGGCATCAAGATTACGCGAAGAAGCGCATAAATG
 GGAACATTACACATGTCCGAAATTTGACTGAATTAATAAATTTAAGATCTTTAGTCCGAGTATGTGAAA
 TTCAAGCAACTTTGCGAGAGCAAGGATACTATTTTGTAGACAACAAATTAAGGAACCTGAAAAGCTAAA
 AAATCAGAATTCCTTCATGGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC224250 representing NM_100486
 Red=Cloning site Green=Tags(s)

MVMYARKQQLSDGCHDRRGDSQPYQALKYSSKSHPSGDRHEKMRDAGDPSPPNKMLRRSDSPENKYS
 DSTGHSKAKNVHTRVRERDGGTSYSPQENSHNSALHSSNSHSSNPNPSKTSADPYDSADDWSEHIS
 SSGKYYNCRTEVSQWEKPKEWLEREQRQKEANKMAVNSFPKDRDYRREVMTATSGFASGKSTSGDK
 PVSHSCTTPSTSSASGLNPTSAPPTSASAVPVPVQSPPIPPLLQDPNLLRQLLPALQATLQLNNSNVDI
 SKINEVLTAAVTQASLQSIHKLFTAGPSAFNITSLISQAAQLSTQAQPSNQSPMSLTSDASSPRSYVSP
 RISTPQTNTVPIKPLISTPPVSSQPKVSTPVVKQGPVSQSATQQPVTADKQQGHEPVSPRSLQRSSSQRS
 PSPGPNHTSNSSNASNATVVPQNSSARSTCSLTPALAAHFSENLIKHVQGWPADHAEKQASRLREEAHNM
 GTIHMSEICTELKNLRLVRVCEIQATLREQRILFLRQQIKELEKLNQNSFMV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8066_e09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_100486

ORF Size: 1632 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_100486.4](#)

RefSeq Size: 2665 bp

RefSeq ORF: 1635 bp

Locus ID: 51322

UniProt ID: [Q9BTA9](#)

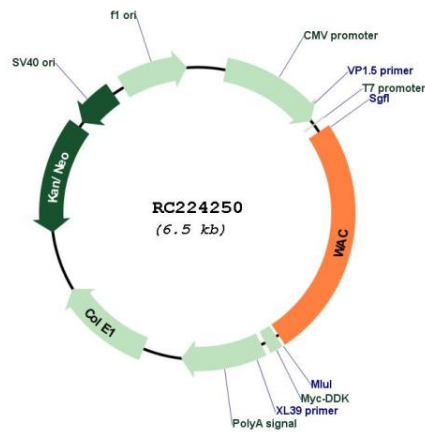
Cytogenetics: 10p12.1-p11.2

Domains: WW

MW: 59.3 kDa

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]

Product images:



Circular map for RC224250