

Product datasheet for **RG202553**

WAC (NM_016628) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	WAC
Synonyms:	BM-016; DESSH; PRO1741; Wwp4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >RG202553 representing NM_016628
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGTAATGTATGCGAGGAAACAGCAGAGACTCAGTGATGGCTGTCACGACCGAGGGGGGACTCGCAGC
 CTTACCAGGCACTTAAGTATTCATCGAAGAGTCACCCAGTAGCGGTGATCACAGACATGAAAAGATGCG
 AGACGCCGGAGATCCTTCACCACCAATAAAATGTTGCGGAGATCTGATAGTCTGAAAACAAATACAGT
 GACAGCACAGGTACAGTAAGGCCAAAAATGTGCATACTCACAGAGTTAGAGAGAGGGATGGTGGGACCA
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 AAGCAATAACCCCAAGCAAACTTCAGATGCACCTTATGATTCTGCAGATGACTGGTCTGAGCATATTAGC
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 TTTAAGATCTTTAGTCCGAGTATGTGAAATTCAAGCAACTTTGCGAGAGCAAAGGATACTATTTTGTGAGA
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

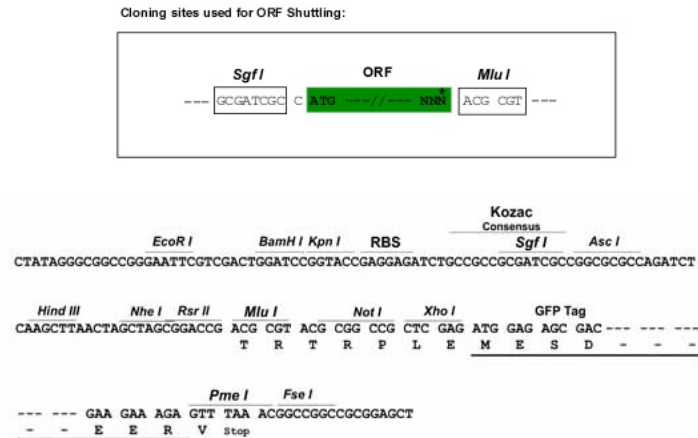
Protein Sequence: >RG202553 representing NM_016628
 Red=Cloning site Green=Tags(s)

MVMYARKQQRSLDGCCHDRRGSQPYQALKYSSKSHPSGDHRHEKMRDAGDPSPPNKMLRRSDSPENKYS
 DSTGHSKAKNVHTRVRERDGGTSYSPQENSHNHSALHSSNSHSSNPSNPKTSDAPYDSADDWSEHIS
 SSGKYYYNCRTVEVSQWEKPKEWLEREQRQKEANKMAVNSFPKDRDYRREVMQATATSGFASGMEDKHSS
 DASSLLPQNILSQTSRHNDRDYRLPRAETHSSSTPVQHPIKPVVHPTATPSTVPSSPFTLQSDHQPKKSF
 DANGASTLSKLPPTSSVPAQKTERKESTSGDKPVSHSCTTPSTSSASGLNPTSAPPTSASAVPVSPVPQ
 SPIPPLLQDPNLLRQLPALQATLQLNNSNVDISKINEVLTAAVTQASLQSIHKKFLTAGPSAFNITSLI
 SQAAQLSTQAQPSNQSPMSLTSDASSPRSYVSPRISTPQNTVPIKPLISTPPVSSQPKVSTPVVKQGPV
 SQSATQQPVTAADKQGHPEVSPRSLQRSSSQSPSPGNHTSNSSNASNATVVPQNSSARSTCSLTPALA
 AHFSENLIKHVQGWPAHAEKQASRLREEAHNMGTIHMSEICTELKNLRLVRVCEIQATLREQRILFLR
 QQIKELEKLEKSEFLHGVKM

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016628

ORF Size: 1947 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_016628.2](#), [NP_057712.2](#)

RefSeq Size: 2967 bp

RefSeq ORF: 1944 bp

Locus ID: 51322

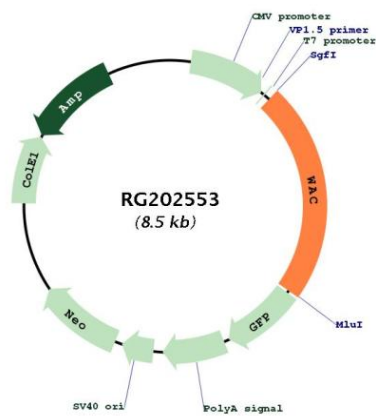
UniProt ID: [Q9BTA9](#)

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]

Product images:



Circular map for RG202553