

Product datasheet for **RC213814**

WWC2 (NM_024949) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WWC2 (NM_024949) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	WWC2
Synonyms:	BOMB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC213814 representing NM_024949 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

ATGCCTAGGAGGGCCGGGAGCGGTCAGCTGCCGCTGCCCCGGGGCTGGGAGGAGGCCAGGGACTACGACG
GCAAGGTCTTCTACATTGACCACAACACCAGGAGGACCAGCTGGATCGACCCCGGGACAGGTTAACGAA
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CAAGAGAAAAGCGGTTACATTCTTCTGGACCCATCACCACCATCCATGAAAACGAGGTGGTCAAGTCCC
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ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >RC213814 representing NM_024949
 Red=Cloning site Green=Tags(s)

MPRRAGSGQLPLPRGWEEARDYDGKVFYIDHNTRRTSWIDPRDRLTKPLSFADCVGDELPGWWEAGFDPO
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 KEELLKELQFVTPQKRTQDELERLEAERQRLLEEELL SVRGTPSRALAERLRLERREKELLQKLEETTKLT
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 QSVLRRTTQECPVRTSLDLELDLQASL TRQSRLNDELQALRDLRQKLEELKAQGETDLP PGVLEDERFQR
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 DV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8104_d04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

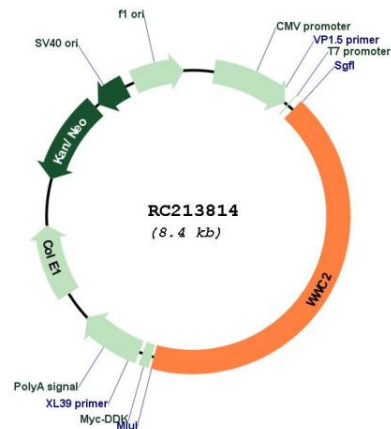


ACCN: NM_024949

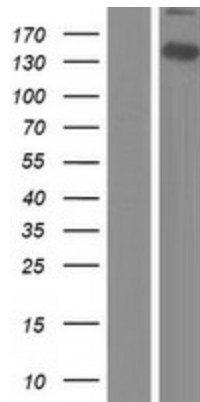
ORF Size: 3576 bp

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_024949.6
RefSeq Size:	8822 bp
RefSeq ORF:	3579 bp
Locus ID:	80014
UniProt ID:	Q6AWC2
Cytogenetics:	4q35.1
MW:	133.9 kDa
Gene Summary:	This gene encodes a member of the WW-and-C2-domain-containing family of proteins. Members of this family have two N-terminal WW domains that mediate binding to target proteins harboring L/PPxY motifs, an internal C2 domain for membrane association, and C-terminal alpha protein kinase C binding sites and class III PDZ domain-interaction motifs. Proteins of this family are able to form homo- and heterodimers and to modulate hippo pathway signaling. [provided by RefSeq, Sep 2016]

Product images:



Circular map for RC213814



Western blot validation of overexpression lysate (Cat# [LY410950]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213814 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).