

Product datasheet for **RC214887**

WDR65 (CFAP57) (NM_152498) Human Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | WDR65 (CFAP57) (NM_152498) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | WDR65 |
| Synonyms: | VWS2; WDR65 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide
Sequence:

>RC214887 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCAGCCGTGGTAGCTCAGACGCTGCATGTTTTTGGTCTTCGATCCCACGTGGCCAACAATATCTTCT
ACTTCGATGAACAGATCATTATATTTCTTCAGGAAATCACTGTGTGAAGTACAATGTGGATCAGAAATG
GCAAAAATTCATTCCAGGCTCAGAGAAGAGTCAGGGCATGTTGGCCTTGCCATCAGTCCCAATCGGCGG
TACCTCGTATCTCTGAGACTGTGCAAGAAAACTGCCATCACCATTTATGAATTGTCATCCATCCCTT
GCCGGAAGCGCAAAGTTCTTAATAATTTTGACTTCCAAGTTCAGAAATTTATTAGCATGGCTTTTTCTCC
AGACTCCAATACCTATTGGCTCAGACGTCACCTCCAGAGTCAAATCTTGCTACTGGCTGTGGGAAAA
CAGAAAGTAATGGCCATTGTTAGAATCGACACTCAGAACAACCCTGTCTACCAGGTGAGCTTCAGTCCAC
AGGATAACACTCAGGTGTGTGCTACTGGAAATGGGATGTTAAGCTTCTCCGTTTTGCTGAGGGAACCT
GAAGCAAACCAGCTTTCAGAGGGGAGAACCCAAAACATCTAGCTCACACCTGGGTGGCTGATGACAAG
ATTGTCGTTGGCACTGACACAGGCAAACCTTCTCTTTGAATCTGGAGATCAGCGTTGGGAGACCAGCA
TAATGGTCAAGGAACCTACCAATGGCTCAAGAGCCTGGATGTCATTAGGAATCAGAGACCTGATTGA
ATTTCCACCAGTCAGTTCTCCACTCCCTTCTATGAACAGATGGTGGCGCCAGTAGCCATAGCCAGATG
TCCATGCCCCAGGTGTTGCCATTGCGACCTATCAAAGGGATTGCTGCTGCTGGGCCAGGGAGAG
TTCTGCTGTTTGAGAAGATGGAAGAAAAGGATTTTTACCGTGAGAGCAGAGAAATCAGGATTCCTGTGGA
CCCGCAGAGCAATGATCCAAGTCAGTCTGACAAACAGGACGTTCTCTGCCTGTGCTTCAGCCCCTCAGAG
GAAACTCTGGTTGCCAGCACCAGTAAGAACCAACTCTACAGCATCACCATGTCCCTGACAGAGATCAGCA
AGGGGGAGCCTGCTCACTTTGAGTATTTGATGTATCCATTGCACTCAGCACCCATCACCGTCTAGCTAC
CTGCATCCGCAAACCCCTTATAGCCACCTGTTCTCTGGATCGATCCATCCGCTTTGGAATTATGAAACA
AACACCCTGGAATATTTAAGGAATACCAAGAAGAGGCATATTCCATCAGCCTTCATCCATCTGGACACT
TCATTGTAGTAGGGTTTCTGACAAACTACGCCTCATGAATCTACTCATTGATGATATACGTTCTTTCAA
AGAATACTCTGTTAGAGGATGCGGAGAGTGTCTTTAGCAATGGAGGTCACCTGTTTGTGCTGAGTCAAT
GGAAATGTGATTCAGTTTACACCACCAGGACCTAGAGAACATCTCAAGCCTGAAAGGACACACAGGGA
AGATTCGCTCAATTGTGTGGAATGCAGATGATAGCAAACCTGATTCTGGTGGCACAGATGGTGTGTGTA
TGAAATGGAATCTGTCCACAGGAAAGAGAGAGACAGAATGCGTGCTCAAGTCTTGAGCTACAACCTGTGT
ACTGTCTCCCCGATGCCAAAATTATCTTTGCTGTTGGATCAGACCACACCTCAAGGAGATTGCAGATT
CCTTGATCCTTCGAGAGATATCGGCGTTTGATGTACCTACACCGCCATTGTCATCTCACATTCTGGACG
CATGATGTTTGTGGGCACCTCGGTGGGAACCATTGCGTCCATGAAGTACCCTCTGCCTCTGCAGAAGGAA
TTCAATGAGTACCAGGCCATGCCGGTCTATACCAAGGTGAGCAGGGCCCTCTCCCAGGAACCCAGT
CCCACACCTGCCTGCTACGTGCCTTGTTCATCCCTTCAACCTCCAATGTCTTTCTCTCCTTCTTCT
CTCTTATTTATTCATCCATCATTCAATGAATCACCATCTATTGACTATGAATATACTCTTTGTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC214887 protein sequence
Red=Cloning site Green=Tags(s)

MSAVVAQTLHVFGLRSHVANNIFYFDEQIIIFPSGNHCVKYNVDQKWQKFIIPGSEKSQLMLALSISPNNR
 YLAISETVQEKPAITIIYELSSIPCRKRKVLNDFQVQKFIISMAFSPDSKYLLAQTSPPELNLYWLWEK
 QKVMIAIVRIDTQNNPVYQVSFSPQDNTQVCVTGNMGFKLLRFAEGLTKQTSFQRGEPQNYLAHTWVADDK
 I VVGDTGKLFLESGDQRWETSIMVKEPTNGSKSLDVIQESSESLIEFPPVSSPLPSYEQMVAASSHSQM
 SMPQVFAIAAYSKGFACSAAGPGRVLLFEKMEKDFYRESREIRIPVDPQSNDPQSDKQDVLCLCFSPSE
 ETLVASTSKNQLYSITMSLTEISKGEPAHFEYLMYPLHSAPITGLATCIRKPLIATCSLDRSIRLWNYET
 NTELELFKEYQEEAYSISLHPSGHFIVVGFADKRLMLNLLIDDIRSFKEYSVRGCGECSFSNGGHLFAAVN
 GNVIHVYTTTSLENISSLKGHTGKIRSIWNADDSKLSGGTDGAVYEWNLSTGKRETECVLKSCSYNCV
 TVSPDAKIIIFAVGSDHTLKEIADSLILREISAFDVTYTAIVISHSGRMMFVGTSGVTIRAMKYPLPLQKE
 FNEYQAHAGPITKVSRALSPGTQSHTCLLRALFIPSTSQCFLSLLLLSYLFIHSLNHLLTMNILFV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6688_h02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152498

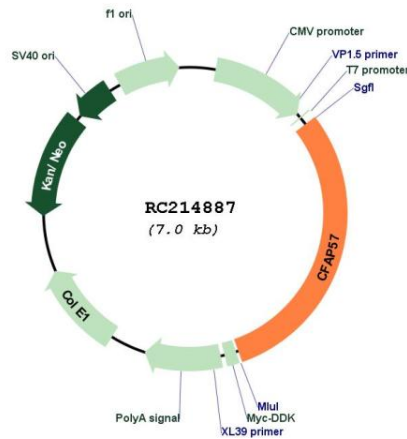
ORF Size: 2094 bp

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](#)

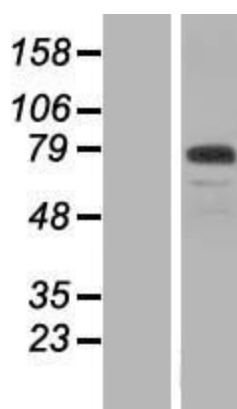
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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| 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: | <ol style="list-style-type: none"> 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: | <u>NM_152498.3, NP_689711.2</u> |
| RefSeq Size: | 3037 bp |
| RefSeq ORF: | 2097 bp |
| Locus ID: | 149465 |
| UniProt ID: | <u>Q96MR6</u> |
| Cytogenetics: | 1p34.2 |
| MW: | 78.2 kDa |
| Gene Summary: | This protein encoded by this gene belongs to the WD repeat-containing family of proteins, which function in the formation of protein-protein complexes in a variety of biological pathways. This family member is thought to function in craniofacial development, possibly in the fusion of lip and palate. A missense mutation in this gene is associated with Van der Woude syndrome 2. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Aug 2011] |

Product images:



Circular map for RC214887



Western blot validation of overexpression lysate (Cat# [LY407504]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC214887 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).