

Product datasheet for **SC336921**

WDR48 (NM_001303402) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR48 (NM_001303402) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDR48
Synonyms:	Bun62; P80; SPG60; UAF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



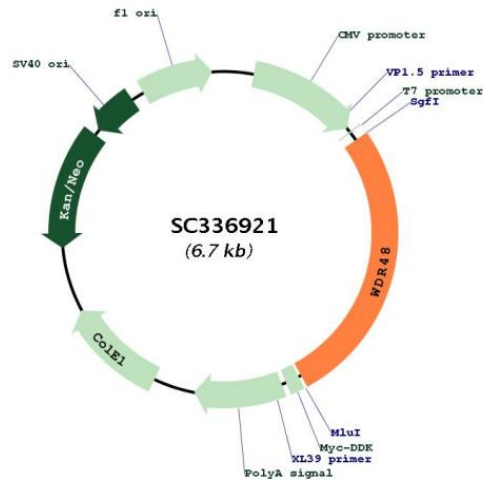
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Fully Sequenced ORF: >SC336921 representing NM_001303402.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGAGTGTCAATCAGCACAAGTAATATCTGCTTCTTCTGACACGACAGTAAAAGTATGGAATGCACAC
AAGGGATTTTGCATGTCAACATTAAGGACACATAAGGATTACGTAAGGCCTTAGCATATGCCAAGGAT
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GCCATGAATCAACTGGGAACAATCATTGTATCAGGGTCCACTGAAAAGGTGTACGGGTATGGGATCCA
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CCTTTCTACCTCCAACCTCATGCATCTTCAGGAGCAAAAACCTTAAAAAAGATAGACTCTCTGCTAGT
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GCAGAGGAGAAAATGAACTTTTGTGCCAGGACCAGGTTTGGATCCAAATATGGACCTTCGAACAGTG
AAACACTTCATATGGAAGAGCGGTGGAGACCTCACCTCCATTACCGTCAGAAGTCCACGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001303402

Insert Size: 1788 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.

RefSeq: [NM_001303402.1](#)

RefSeq Size: 3948 bp

RefSeq ORF: 1788 bp

Locus ID: 57599

UniProt ID: [Q8TAF3](#)

Cytogenetics: 3p22.2

MW: 66.7 kDa

Gene Summary:

The protein encoded by this gene has been shown to interact with ubiquitin specific peptidase 1 (USP1), activating the deubiquitinating activity of USP1 and allowing it to remove the ubiquitin moiety from monoubiquitinated FANCD2. FANCD2 is ubiquitinated in response to DNA damage. [provided by RefSeq, Sep 2016]

Transcript Variant: This variant (2) lacks an exon in the 5' coding region and uses an alternate start codon, which results in a frameshift compared to variant 1. The encoded isoform (2) has a shorter and distinct N-terminus compared to isoform 1.