

Product datasheet for **SC124415**

WDR48 (NM_020839) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR48 (NM_020839) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDR48
Synonyms:	Bun62; P80; SPG60; UAF1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC124415 sequence for NM_020839 edited (data generated by NextGen Sequencing)

```
ATGGCGGCCCATCACCGGCAGAACACAGCAGGGCGGAGGAAAAGTGCAGGTTTCCTATGTT
ATTCGAGATGAAGTGGAGAAGTACAACCGAAATGGAGTCAATGCTCTGCAGCTGGATCCA
GCTAAATAGACTTTTCACAGCCGGTCGAGACTCTATCATAAGAATATGGAGTGTCAAT
CAGCACAAGCAAGATCCATATATAGCATCTATGGAACACCATACTGATTGGGTAACGAC
ATTGTACTCTGTTGTAATGGGAAAACATTAATATCTGCTTCTTCTGACACGACAGTAAAA
GTATGGAATGCACACAAGGGATTTTGCATGTCAACATTAAGGACACATAAGGATTACGTA
AAGGCCTTAGCATATGCCAAGGATAAAGAAGTACTAGTATGATCAGCTGGGTTGGACAGACAA
ATATTCCTTTGGGATGTGAATACTCTAACAGCATTGACTGCCTCAAATAACACTGTCACA
ACTTCTTCTTAAAGTGGAAACAAAGATTCCATTTATAGCCTGGCCATGAATCAACTGGGA
ACAATCATTGTATCAGGGTCCACTGAAAAGGTGTACGGGTATGGGATCCAAGAATGT
GCAAAACTAATGAAGCTAAAGGGCACACGATAATGTGAAGGCATTGCTATTAACAGA
GATGGCACGCAATGCCTGTCAGGCAGTTCTGATGGGACAATTCGCCTTTGGTCCCTGGC
CAGCAGAGATGTATAGCAACATACCGAGTCCATGATGAAGGTGTTTGGGCGCTGCAAGTC
AATGATGCCTTCACACATGTGTATTCTGGTGAAGGGACAGGAAGATTTATTGTACAGAC
CTAAGAAACCCTGACATTCGGGTGCTAATTTGTGAAGAAAAGCACCAGTTCTCAAGATG
GAGCTTGATAGATCAGCTGATCCTCCTCCTGCAATTTGGGTTGCAACAATAAGTCTACA
GTAAATAAATGGACTTTGAAAGGAATTCATAATTTTAGAGCCTCTGGAGATTATGACAA
GACTGTACAAATCCTATAACACCTCTTTGTACACAACCTGACCAGGTTATTAAGGGGGT
GCTAGTATTATTCAGTGCCACATTTCTAATGATAAGAGACATATATTAACCAAAGATACC
AATAATAATGTGCATATTGGGATGTATTGAAGGCATGTAAGTTGAAGATCTGGGCAAA
GTGGATTTTGAAGATGAAATTAAGAAAAGATTTAAAATGGTGTATGTGCCAAATGGTTC
TCAGTAGACTTAAAAACAGGGATGTTAACTATTACTTTGGATGAAAGTGATTGTTTTGCT
GCCTGGGTTTCTGCAAAAGATGCTGGTTTCAGCAGCCCTGATGGGTGAGATCCAAAATTG
AATTTAGGAGGACTTTTACTCCAAGCACTCCTGGAATATTGGCCTAGAACACATGTGAAT
CCAATGGATGAAGAGGAAAATGAAGTAAACCATGTAATGGGGAGCAGGAGAACCGAGTG
CAGAAGGGAAATGGATATTTTCAAGTGCCCCACATACACCCGTGATCTTTGGTGAAGCT
GGAGGTGCGCACTGTTCAAGGCTGCTCTGCCGAGATTCGGGGGTGAGACTGAGTCTATG
CTTCTTAATGAAACAGTGCCACAATGGGTAATTGACATCACTGTGGATAAAAAATATGCC
AAATTCACAAAATTCCTTTCTACCTCCAACCTCATGCATCTTCAGGAGCAAAAACCTTA
AAAAAAGATAGACTCTCTGCTAGTGACATGCTCCAAGTCCGAAAAGTTATGGAACATGTT
TATGAAAAAATTATCAACTTGGATAATGAGTCTCAAACCACTAGCTCTTCTAATAATGAA
AAACCAGGAGAACAGGAAAAAGAAGATATTGCTGTGTTGGCAGAGGAGAAAAATTGAA
CTTTTGTGCCAGGACCAGGTTTTGGATCCAAATATGGACCTTCGAACAGTGAAACACTTC
ATATGGAAGAGCGGTGGAGACCTCACCTCCATTACCGTCAGAAGTCCACGTGA
```

Clone variation with respect to NM_020839.2
1932 a=>g

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_020839 unedited
 GCGGAATTCGCACGAGGCAACATGCAAGATGGCGGCCATCACCGCAGAACACAGCAGG
 GCGGAGGAAAGTGCAGGTTTCTATGTTATTCGAGATGAAGTGGAGAAGTACAACCGAAA
 TGGAGTCAATGCTCTGCAGCTGGATCCAGCACTAAATAGACTTTTCACAGCCGGTCGAGA
 CTCTATCATAAGAATATGGAGTGTCAATCAGCACAAGCAAGATCCATATATAGCATCTAT
 GGAACACCATACTGATTGGGTAACGACATTGTACTCTGTTGTAATGGGAAAACATTAAT
 ATCTGCTTCTTCTGACACGACAGTAAAAGTATGGAATGCACACAAGGGATTTTGCATGTC
 AACATTAAGGACACATAAGGATTACGTAAGGCCTTAGCATATGCCAAGGATAAAGAACT
 AGTAGCATCAGCTGGGTTGGACAGACAAATATTCTTTGGGATGTGAATACTCTAACAGC
 ATTGACTGCCTCAAATAACACTGTCACAACCTTCTCTTTAAGTGGAAACAAAGATTCCAT
 TTATAGCCTGGCCATGAATCAACTGGGAACAATCATTGTATCAGGGTCCACTGAAAAGGT
 GTTACGGGTATGGGATCCAAGAACATGTGCAAACTAATGAAGCTTANAGGGCACACGGA
 TAATGTGAAGGCATTGCTATTAACAGAGATGGCAGCCATGCCTGTCANGCAGTTCTGA
 TGGGACAATTCGCCCTTGGGTCCTTGGCCAGCAGAGATGTATAGCCACATACCGAGTCC
 ATGATGAAAGGTGTTTGGGCGCTGCCAGTCAATGATGCCTTCCCACATGTGTATTCTGGT
 GGAAAGGCACAGGAGATTTTATGGTCAGACCTTAGAAACCTGACT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_020839 unedited
 TACTACTAAGNAACCGCGCCGCAATCTANGATCGAGTTTTTTTTTTTTTTTTTTTTATTTT
 AACTAAAGCCTTTATTCTATACAACTGTNGAAATACAGATTTTTACCTTTTGGCATTGC
 AGACTGTCGAATTTTCTGAAAAGTGTATTACGGTTTGACTGGAGGGGAAAGAAATACAAT
 CATGCTGGGGTCTAGATCTATGACAGGAGGGGAATGCAGCCACCAAGGCTTAGCACACA
 GGGCAAAATGACCCAGCAAAACCCATTTCTTTGCTCAAAGGCCCTCGGGCAAACACAAC
 TGAGGGCTGGTAAATAATTTTTTTTTTCTTTGCCATTAATTCACAACATTGCTAAAAAA
 TGTGCACAAAAGCACACTGTTGTATCCAACAGATAGAAAAGGACTTTTAAAAAAAAGAA
 GCTGGTTGCTCTCTGAGGAAGGGAGAAAGACATTTCACTTATTAGAAATGTGGCCACG
 TCTTTGCTCACTTCTTCAAAGTGCAGGTGGCAATGGCCTGTCCAGTTTCCAAAAGAAGCT
 GACTAGCAGTGAGGGAACCTGTCTCTGAGTTGTGCGATCAGAGTATCTTAAATAGTAA
 GGTATGGCCTTAGGCCTATCAGCTGCCCCAGCCGAACCTGTGAAGATGTAGAAAAGAAA
 AAACGTTCCCTGCCTCCCTCCCTAGTCCCTGCTATGGTGGAGGCAGGCCACACAAAGCT
 AGGGAGGCAACTGGACTGGAATCAACTGCCCTCTTGAAGCACTTGTGCTTCTGGCTTCAT
 ACAGNGAGCTTGTCTTACAGTTTTATGGGGTGGACCACTGATTTACTCTGAATACAAAT
 GACCTTGGGNAGAATCCAAGTATTTTCTGCCAAATTGAAGTGTATCCCATAAGTACA
 CTCTAACAAAGATCCAATGATTCTTGAAGTGTTAGATGGTAGAAA

Restriction Sites:

NotI-NotI

ACCN:

NM_020839

Insert Size:

4500 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_020839.2](#), [NP_065890.1](#)

RefSeq Size: 3705 bp

RefSeq ORF: 2034 bp

Locus ID: 57599

UniProt ID: [Q8TAF3](#)

Cytogenetics: 3p22.2

Domains: WD40

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 (1) represents the longest transcript and encodes the longest isoform (1).