

Product datasheet for **SC106524**

WDR54 (NM_032118) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR54 (NM_032118) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDR54
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC106524 sequence for NM_032118 edited (data generated by NextGen Sequencing)

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ATGTTCCGCTGGGAGCGCTCCATTCCCCTGCGAGGCTCGGCCCGCCCTGTGCAACAAC
CTCAGTGTGCTGCAGCTGCCGGCTCGCAACCTCACGTATTTGGCGTGGTTCATGGACCA
AGCGCCCAGCTTCTCAGCGCTGCTCCTGAGGGTGTGCCCTTGGCCCAGCGCCAGCTCCAC
GCTAAGGAGGGTGTGGAGTGAGTCCCCCACTTATCACTCAGGTCCACTGGTGTGTCTCTC
CCCTTCCGAGTGCTGCTGGTACTCACCTCACATCGAGGAATACAGATGTACGAGTCCAAT
GGCTACACCATGGTCTACTGGCATGCACTGGACTCTGGAGATGCCTCCCCAGTACAGGCT
GTGTTTGGCCGGGAATTGCTGCCAGTGGCCACTTCATCTGTGTGGGAACGTGGTCAGGC
CGGGTGCTGGTGTGTTGACATCCCAGCAAAGGGTCCCAACATTGTACTGAGCGAGGAGCTG
GCTGGGCACCAGATGCCAATCACAGACATTGCCACCGAGCTGCCAGGGACAGGATTGT
GTGGCTGACATGGTGACGGCAGATGACTCAGGCTTGCTGTGTGTCTGGCGGTCAGGGCCA
GAATTCACATTATTGACCCGATTCCAGGATTTGGAGTCCGCTGCCCTCTGTGCAGCTG
TGGCAGGGGATCATAGCAGCAGGCTATGGGAACGGACAAGTGCATCTATATGAGGCCACT
ACAGGAAATCTACATGTCCAGATCAATGCCCATGCCCGGGCCATCTGCGCCCTGGACCTG
GCTTCTGAGGTGGGCAAGCTACTCTCTGCAGGTGAGGACACCTTTGTGCATATCTGGAAG
CTGAGCAGAAACCCAGAGAGTGGCTACATTGAGGTGGAACACTGTCATGGTGTGAGTGTGC
GCCGACACCCAGCTGTGTGGTCTCGATTTTGTGATTCCTCAGGCAACTCCTTTGCTGTG
ACTGGCTATGACCTTGGCGAGATCCGGAGATTCAGCAGTGTGTGA

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Clone variation with respect to NM_032118.2



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032118 unedited
 NGGTGTCAAAAATTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGGATTT
 GGAGGGACCTACGAACCAGGAGTCAGGCGAGCCGATCTGGGGCTGCAGGATGTTCCGCT
 GGGAGCGCTCCATTCCCCTGCGAGGCTCGGCCGCCGCCCTGTGCAACAACCTCAGTGTGC
 TGCAGCTGCCGGCTCGCAACCTCACGTATTTGGCGTGGTTCATGGACCAAGCGCCCAGC
 TTCTCAGCGCTGCTCCTGAGGGTGTGCCCTTGGCCAGCGCCAGCTCCACGCTAAGGAGG
 GTGCTGGAGTGAGTCCCCACTTATCACTCAGGTCCACTGGTGTGTCTCCCTCCGAG
 TGCTGCTGGTACTCACCTCACATCGAGGAATACAGATGTACGAGTCCAATGGCTACACCA
 TGGTCTACTGGCATGCACTGGACTCTGGAGATGCCTCCCCAGTACAGGCTGTGTTGGCC
 GGGGAATTGCTGCCAGTGGCCACTTCATCTGTGTGGAACTGGTTCAGGCCGGGTGCTGG
 TGTTTGACATCCCAGCAAAGGGTCCCAACATTGTACTGAGCGAGGAGCTGGCTGGCCACC
 AGATGCCAATCACAGACATTGCCACCGAGCCTGCCAGGGACAGGATTGTGTGGCTGACA
 TGGTGACGGCAGATGACTCANGCTTGTGTGTCTGGCGGTGANGGCCAGAATTCACAT
 TATTGACCCGATTCCAGGATTTGGAGTCCGTGCCCTCTGTGCAGCTGTGGCAGGNGA
 TCATAGCAGCAGGCTATGGGACGNACAAGTGCATCTATATGAGGCCACTACAGGAAATC
 TACATGTCCAGATCAATGCCATGCCGNCCATCTGCGCCCTGGACCTGCTTCTGAGTGG
 CAAGCTACTCTNCTGCAGTGAGACACCTTGTGCATAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_032118 unedited
 TATGGACCGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTTGGGGGGGGCGGGGACTTTTTTAATACCCAGGGACCAAGGAAG
 GGTGCTTTTTTACACACTGGTGAATCTCCGGATCTCCCAAGGGCATAACCCGTCACAA
 CAAAGGAGTTGCCTGAGGAATCACAAAATCCAGCCCCCACCCTGGGGGGTGGCGACAC
 ACTCACCATGACAGGGGTCCACCTCAATGGAACCAATTTTTGGGGTCTGCTCAACTTCC
 AAAAAATGCACAAAAGGGGGCCTCACCTGCAAAAAGGAACTTGCCACCTCAAAAACCAAGT
 CCAGGGCGCAAATGGCCCCGGCATGGGCCTTGATCTGGACATGTAATTTCTGGAGGGG
 CCTCATATAGAAGCACTTGTCCGGTCCCATAACCTGGTGGTTTGTATCCCCTGCCACAAC
 GGACAGAGGGGCACGGAACCTCAAAACCTGGAATGGGGGGCAATAATGTGAATTCTGGCC
 CTGACCGGCAAACACACAAGAAGCCCTGAGTCATCTGGCGTCACCATGTAACCACACAA
 TCCTTGTCTGGCAAGCTTNGTGGGAATGTCTGTGATTGGATTTGGTGCCCAACCAACT
 TCTTTTTAAAACAAGTTGGGACCCTTTGTTGGAAGTAAAACACAAAACCGGGCTTGACAC
 GTTCCCAAACAAGAAGGGGCCCTGGCAGAATCCCCCGGAAACCAGCCTGTGTGGGGAG
 GCTTTTCCAAGCCACGGTTGCCAATAACACCTGGGACCCCTGACTCCCCCTTTGTTTTT
 CCGAGGGGGGGGCCACCCCCCTCGGAGGAGGGACCCCCGGCCCTGAGGAAAGGGGGA
 CCCCCACCCCTCCTTAGGGAGGGGGCGGCAAGGACCCCTTAGAACACTG

Restriction Sites:

NotI-NotI

ACCN:

NM_032118

Insert Size:

1220 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_032118.2](#), [NP_115494.1](#)

RefSeq Size: 1223 bp

RefSeq ORF: 1005 bp

Locus ID: 84058

UniProt ID: [Q9H977](#)

Cytogenetics: 2p13.1

Domains: WD40

Gene Summary: When cross-linked to form dimers and trimers, it has a regulatory effect on ERK signaling pathway activity in response to EGF stimulation. Colocalizes with the EGF receptor in WDR54-specific vesicle where it sustains the internalization and controls the degradation of the EGF receptor after EGF stimulation.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (3) uses an alternate splice junction compared to variant 1. The resulting isoform (b) is shorter at the N-terminus compared to isoform a. Variants 2 and 3 both encode the same isoform (b).