

Product datasheet for **SC208507**

WDR59 (NM_030581) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	WDR59 (NM_030581) Human 3' UTR Clone
Symbol:	WDR59
Synonyms:	CDW12; FP977; p90-120
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_030581
Insert Size:	2000 bp



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Insert Sequence: >SC208507 3'UTR clone of NM_030581
 The sequence shown below is from the reference sequence of NM_030581. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TGCCACTGCCTGCTTGAAGCACTTTCGAACCTACAGAAGTTGGGTATTGTCTGAAATCCCAGAGGAC
CCATAAGTGCCGGTGACAAGCTGTCTGTGAGGGGAGAGGCTCCAGAACCTGGGTTCTGCCAGTGAGA
CCGGAGGATGATCCCCAAGGACTGCGCAGCATCAGCTCTTGGTGGCCTCTGCCTTCTCTTCTGTTG
GCCACCTGGTGTGGATGTCAGTGTGTAAGATAAGGACAGAAGTGCAGAGCTGCGCTTTGTGTGTTGTC
TATGTCGGCTGAGCTACCAAGGTGGAAGTTTTTCATGGAGAAAAGCACCTGGCTCCAGGGCCAGTGTAC
AGTGTACCCTGTAAGGTGTTAGCCTTAAACCACCGAGCAGCGTTCTCTTGATGCCAGTGCAGAGACCA
GAGTCAGATGCCGAGGACAGTGGGTAGGAATTCATCAACAAATGGACCTATGGCATCATGGCTTTAG
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ACTGTACTTAAGGATTCTTAAGATGTATTTTTTGTATTCTCTCCAGCTGCTATCCCTGGCTAAT
AAAATTCTAGTAATTTGAAAAAAAAAAAAAAAAAGAGAGAAAGTTAAACAACATTATGGTGAATCATTTTTT
ACCCTAATTCTAATTGAAGGTAGCTATTTTGAATAGGACCAAAGTCAAGTCTCCGATTTTTAAAGGAAA
TGCTGATTTACTTTTGTCTGACAGAGAAAATGGAATTTGACATTTAAGGTTCTTCCAGCCCCAA
GAGTCTTATTTCTTAGCAAAAGGAGGACAAGATTGCCGTGCAGCATGGATAGAAAAGTCTCCCTGGC
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GGAGTTCGAGACCAGCCTGGGCAACATAAGGAGATCCCATCTCTGCAAAAAATTTAAAAATAGCCCGG
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AGTTCGAGACTAGCCTGGCCAACATGGTGAACCCCATCTCTACTAAAAATAGAAAAATAGCCCGGCA
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CAGAGGTTGCAGCGAGCTGAGATTATGCCATTGCACTCCAGCCTGGGTGACAAGAGTGAAGTCTGTCT
CAAAAAAGAAAAAAATTTAAAAAATAGCCGGGTGTGGTGGCACATGCCTGTGGTCCCAGCTACTT
GAGGGGCCGAGGTGGGAGGATCACTTGTGAGTCCAGGAGGTTGAGGCTGCAGTGAAGCCTTATTGCACCGC
TGCACTCCAGCCTGGGCAACAGAGTGAAGCCTGTCAATAAACCAAAGTCTTCTTGCCTCTGTTTACAG
TGGGCTGGGTTCCAGTGAAGTGCCTCACTTCTCTTTAGGCTCCCTCGCAAAGTGCCTGTGTTTGCCTG
TGTCTGAGTAGTTATAACATCTGTGTCCACCAATTCTTCAAGATGATTTTCTTTTTTAAAGTTAAATT
TTTTTTTTTTTTTTTAGAGAGAGAGACAGGGTCTCACTCTGTACCCAGACTGGAGAGTGGTATGCA
ATCATAGCTCACTGTAGCCTCTATCACCTGAGCTCAAGTGATCCTCCACCTCAGCTCCCGAGTAGCT
GGGACTACAGGTGTGACCACCATGCCTGGCTAATTTCAAGATGATTTTCAACTTCAATTTTGTATGT
GCCAGTGAAGAAATCTTTTTTATTATTTCTACTGAAATATCTATTTCTGTTTCTTAGAATTTTACAG
TTCCAAGTAGATTAGCTTAGGGACTAGGACATGTCTATAATGGGAGAGCATTGCATATTCATGTGTT
ACGCGTAAAGCGGCCGCGCATCTAGATTCAAGAAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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- Restriction Sites:** SgfI-MluI
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
- Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
- RefSeq:** [NM_030581.4](#)

Summary: As a component of the GATOR subcomplex GATOR2, functions within the amino acid-sensing branch of the TORC1 signaling pathway. Indirectly activates mTORC1 and the TORC1 signaling pathway through the inhibition of the GATOR1 subcomplex (PubMed:23723238). It is negatively regulated by the upstream amino acid sensors SESN2 and CASTOR1 (PubMed:25457612, PubMed:27487210).[UniProtKB/Swiss-Prot Function]

Locus ID: 79726

MW: 75.2