

Product datasheet for **MC206644**

Wdr24 (BC037651) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wdr24 (BC037651) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Wdr24
Synonyms:	MGC47001
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC037651

CCACGCGTCCGGTGCGACGGGGCAGAGGCTTTTCTAGCACCTGGTTCTGGTCCCTCAGTTGCCGCTGCAC
GGTGC AATTAGACACCTGCACCTATTGCTGTAGCCTCTCTTCTGCATTCCAAGGTGTATGAACCTCAGTCC
ATACCATCTAGCTTCTCTGCCCTTTCCACTCGGTTGTTTTCTCTTGAAGCCCCGAATCCTCGGAG
GCATGGGGCTGTGAAGTCAGGAGCCACTCCCCGCCCCAGGATCTCACTGATGGAGAATTAAACCACATAG
AATCGGGAGACGTAGATATGGTGCTGACGAACCTCAGGTTAGCTCTGGAGCCTTCTGGAGAACTCCAAT
GAATGTGAACCTTCCTAAGATAACGACTGGCTGATGGACCATCTCAGGCCGAAGGTTCCGAGAGGAGACTG
AACCTGAATTGTTAGGACACCATGGCTGACCAGGTCAGCACACTTCACTGACCTCCTCCTGCCTCTGATA
CCTGTGCAGACATGGAAAAGATGTCCCGAGTTAGCACAGCCCTGAGCGGCAGTGCTCTGACGGGCCGAAC
CATGCACTGCCATCTGGACGCGCCAGCTAATGCCATCAGCGTGTGCCGCGACGCTGCCCAGGTTGTCGTG
GCAGGCCGAAGCATCTTCAAGATTTATGCCATTGAGGAGGACAGTTCGTAGAGAAGCTGAATTTACGTG
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GGCCAGCAGGCCACCAATGGTGTGGTGGTTACATGGAACCTAGTGCGCCATCCCCGAACAAGCAGGAT
CAGCTGTTACAGAAACAAAGCGCACAGTGAACAAAGTCTGTTTCCATCCCACCGAGGCCCATGTGCTGC
TCAGTGGCTCTCAGGATGGCTTCATGAAGTGCTTTGACCTCCGAAGGAAGGACTCTGTGACACCTTCTC
TGGCCAGTCTGAGAGCGTGCGGGATGTGCAGTTCAGTATCCGTGACTACTTTACCTTTGCTTCCACCTTT
GAGAATGGCAACGTACAGCTCTGGGACATCCGCCGACCCGACCGCTGTGAGAGGATGTTACAGGCCACA
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AACAGGCATTGCCTGGCGTCATCCGCATGACCCCTCTTTCTGCTCTCCGGCTCCAAGGACAGCACGTTA
TGCCAGCACCTGTTTCGGGATGCCAGTCAGCCTGTTGAGCGTGCCAACCTGAGGGTCTCTGCTATGGCC
TCTTTGGGACCTGGCCTTTGCTGTTAAGGAAAGCCTGGTGGCTGCTGAATCTGGACGTAAACCTATGC
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TCCAGTGCCTGAGCGTCTTTGAGACGGAGTCTAGCGGTGGCAGCATGAGCTGGTTCGTGGATACAGCTG
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TGGCCCAATCAGGTGGCACAGACATGGACCATGTTACGGATTATCTACTGTAGCCCTGGCTTGGTATCC
TCTGCCAATCTCAACCACAGCGCTCGGCAAGGCAGCTCCTGCGGCCTACCGCTCATGAACAGGCTTCAATC
TGAAGGATATGGGCCGGGGCTGGGCAGTGAGACACGGCTGGATCGCAGCAAAGGGGACACACGGAGTGA
TGCGGCGTGCTTGACTCTTCAGCCACACTCGTCACCAATGAGGATAATGAGGAAACAGAAGGGAGTGA
GTGCCTGCTGACTACCTGCTGGGTGACGTAGAAGGAGAGGACGATGAGCTGTACCCACTTGACACAGAAC
ATGTGCACTCCGAGGAGCCTGAATATGTCTGCCACAAGAGGCCTTCCACTGCGCCATGAAATTGTAGA
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ACAGCTTCATTAGCCCCGGTGGACTCCTCCTCCTCCTCCTCCTCCTGCTCCTCCTCCTGATGACAGCC
GCCTGCCACCTGACTTCTTCAAGTATTGGTACGGGACATGTTGCGCTTCTACGCTGAGCAGGGCGACGT
GCAGATGGCTGTGTCTGTTCTATCGTGCTGGGTGAGAGAGTGGCAAAGGACATCGATGAGCAGACCCAG
GAGCACTGGTACACATCCTACATAGATCTGCTGCAGCGCTTCTGCCTCTGGAATGTGTCCAATGAGGTGG
TGAAGCTGAGCACCAGCAGGGCAGTTAGCTGCCTCAACCAAGCCTCCACCACGCTGCATGTCAACTGTAG
TCACTGCAAGCGGCCATGAGCAGCCGCGGCTGGGTCTGTGACAGGTGCCACCGCTGTGCCAGCATGTGT
GCTGTCTGCCATCATGTGGTTAAAGGCCTGTTCTGTGGTGTGACAGGTTGACGTATGGTGGCCATCTTC
AGCACATCATGAAATGGCTGGAAGGCAGCTCCCCTGCCCTGCAGGCTGCGGCCACCTCTGTGAATACTC
CTGACCTGGCTTCCCTAAGGCTGATGCAGCGTCTCAGCTCGATCCCGATGTCACCGGACTAGGCTCA
CAGCCCTTACCCATCCTGTGTACAGGATGGAAGGTGCTCAAACTTTTTAACCCAATAAAATCCAGA
GCTGCAA

Restriction Sites: EcoRI-NotI

ACCN: BC037651

Insert Size: 2373 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC037651, AAH37651</u>
RefSeq Size:	3059 bp
RefSeq ORF:	2373 bp
Locus ID:	268933
Cytogenetics:	17 A3.3
Gene 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. It is negatively regulated by the upstream amino acid sensors SESN2 and CASTOR1. In addition to its role in regulation of the TORC1 complex, promotes the acidification of lysosomes and facilitates autophagic flux. [UniProtKB/Swiss-Prot Function]