

Product datasheet for **SC112245**

WDR77 (NM_024102) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR77 (NM_024102) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDR77
Synonyms:	HKMT1069; MEP-50; MEP50; Nbla10071; p44; p44/Mep50
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_024102 edited
GAATTCGGCACGAGGCTGCCGGAGCTGAGTCTCCGGCCGGCGTCCAGTTTGGTCTAGGT
TGGAGTTGGAACCGTGGAGATGCGGAAGGAAACCCACCCCTAGTCCCCCGGCGGC
CCGGGAGTGGAATCTTCCCCAAATGCGCCCGCTGCATGGAACGGCAGTTGGAGGCTG
GCGGTACCGGTCCGATGGGGCGCTTCTCCTCGGGCCCTCAGCCTGAGTGGGCGCTGCTG
GGCCGGTCCCTCTGGCTTTTTAAGGACCCCTGTGCCGCCCAACGAAGGCTTCTGCTC
CGCCGGAGTCCAACGGAGGCTGGAGTGGCTGACCTCACTTGGGTTGGGAGAGAGGTAT
TCTAGTGGCCTCCGATTCAGGTGCTGTTGAATTGTGGAACTAGATGAGAATGAGACACT
TATTGTCAGCAAGTTCTGCAAGTATGAGCATGATGACATTGTGTCTACAGTCAGTGTCTT
GAGCTCTGGCACACAAGCTGTCAAGTGGTAGCAAAGACATCTGCATCAAGGTTTGGGACCT
TGCTCAGCAGGTGGTACTGAGTTCATACCGAGCTCATGCTGCTCAGGTCACCTTGTGTTGC
TGCCTCTCCTCACAAGGACTCTGTGTTTCTTTCATGCAGCGAGGACAATAGAATTTTACT
CTGGGATACCCGCTGTCCAAGCCAGCATCACAGATTGGCTGCAGTGGCCTGGTACCT
TCCTACCTCGCTGGCTTGGCATCCTCAGCAAAGTGAAGTCTTTGTCTTTGGTGATGAGAA
TGGGACAGTCTCCCTTGTGGACACCAAGAGTACAAGCTGTGCTCCTGAGCTCAGCTGTACA
CTCCAGTGTGCTACTGGGCTGGTGTCTCCCCACACAGTGTCCCTTCCCTGGCCTCTCT
CAGTGAAGACTGCTCACTTGGTGTGCTGGACTCAAGCCTTTCTGAGTTGTTTAGAAGCCA
AGCCACAGAGACTTTGTGAGAGATGCGACTTGGTCCCCGCTCAATCACTCCCTGCTTAC
CACAGTGGGCTGGGACCATCAGGTGCTCCACCAGTGTGCCACAGAACCTCTCCACGC
CCCTGGACCTGCAAGTGTACTGAGTAGATTGGATTTAAGACAAAAGCAAGTCCCCAT
GAGTGTCCACTTCTTTGCCCTGCCCTCTCAGCTTGTGAGACAACAGGAGCCTTCTATA
GTATGTTGATATGCTAGATCTGTGCCGTTAATAGGCATCGTCTCTCAGCCTGAGGGAGGC
TGGATTCTGGGTTCCCTGTAGTACAGGGAGGAAAAGCTTTCTTAAAAATGGACATGTATG
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ATCCTACATCTTCCCTAAGCACTGCCTCTCTCACCCCCAAAACAAGTTGACGAAAGG
GTTTTATGAGCTGTCTATGAGGAATTGGCCGTGTCTGGGTGGGTTATGGGATGTGGCA
TCCCTGGGTTCTTGAAGCAGCTCTTATGCTACTCATAGAGATGGGATTGACTTTATTTT
TTTATAGTGCTTAATCACCATTATGAGAAATGCTTCCAGTCACAAAAATGCAGCCAGC
TCACTCTGAGGAAGAAGCAGGACTTGGTACGGTTTTACACAACCTTACCATTAAGTGA
AATCAGAAATCCATTTTCTGGCTGAATAAAAAGTTTGGCTTGCCTGTGTAATGCCACTC
CCTTCCCCTGGCTCCCTAGTGTGGGACATATATGAGAGAGAAGTGTCTTCTATCATA
GACACCATAGGGGAAAGTTTGGGATGAAGGAGAGCTTAAAGGTGTTCAATTAAGTTAG
AAAAGTACACAGGCTGTTGAGAATTTTGGCACTTTTCCCACCCAAAACAGCATGGG
GCCTGACATCTTCTGCCCTGGTCCCCTTCTCTTGATGTGGAAAGTCTGAATGCAGTATT
TATAGACTTCAAGGTTTTAAAAATCCAGTATCAAGAAGAAAAATCAGAAATACTGGTTGGT
GAAATAAAGAGTTTAGGCATTGTTAAAAAATAAAAAAAAAAAAAAAAAAACTCGAC
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024102 unedited
TACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCTGCCGGAGCTGAGTCTCCGG
CCGGCGTCCAGTTTGAGTCTAGGTTGGAGTTGGAACCGTGGAGATGCGGAAGGAAACCC
ACCCCCCTAGTCCCCCGGGCCCGGAGTGGAAATCTCCCCCAAATGCGCCCGCCTG
CATGGAACGGCAGTTGGAGGCTGCGCGGTACCGGTCCGATGGGGCGCTTCTCCTCGGGC
CTCCAGCCTGAGTGGGCGCTGCTGGGCCGGCTCCCTCTGGCTTTTTAAGGACCCCTGTG
CGCCCCAACGAAGCTTCTGCTCCGCCGGAGTCCAAACGGAGGCTGGAGTGGCTGACCT
CACTTGGGTTGGGAGAGAGGTATTCTAGTGGCCTCCGATTGAGGTGCTGTTGAATTGTG
GGAAGTAGATGAGAATGAGACACTTATTGTGAGCAAGTCTGCAAGTATGAGCATGATGA
CATTGTGTCTACAGTCACTGCTTGGAGCTCTGGCACACAAGTGTGAGTGGTAGCAAAGA
CATCTGCATCAAGGTTTGGGACCTTGTCTCAGCAGGTGGTACTGAGTTCATACCGAGCTCA
TGCTGCTCANGTCACTTGTGTTGCTGCCTCTCCTCACAAGACTCTGTGTTTCTTTCATGC
AGCGAGGACAATAGAATTNACTCTGGGATACCCGCTGTCCNAGCCAGCATCACAGATT
GGCTGCAGTGCCTGGTACCTTCTACCTCGCTGGCTTGGCATCCTCACANAGTGAAG
TCTTTGCTTTGGTGATGAGATGGGGACAGTCTCCCTTGGGGCACCCAGATAAACCTGTG
TCTGAGCTCAACTGACACTCCCATGTGCTGCTGGGGTGGTGGTCTCCCAAGGTTCT
CTTCTGGCCTTTTAAAGAAACAGCCATTCTTGCTGACTAGACTTT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_024102 unedited
NNTTTTTGACTATGNACCCGCGCCGCATNCTAGNGATCGGTTTTTTTTTTTTTTTTTTTT
TTAACAATGCCTAAACTCTTTATTTACCAACCAGTATTTCTGATTTTCTTCTTGATACT
GGATTTTAAAACCTTAGAAGTCTATAAACTGCACTTCCACATCAAGAGAAA
GGGGACCAGGGCAGAAGATGTCAGGCCCATGCTGTTTTGGGGTGGGAAAAGTGGCAAAG
AATTCTCAACAGCCTGTGTCAGTTTTCTAACTAATTGAAACACCTTTAAGCTCTCCTTC
ATCCCCAACTTTCCCTATGGTGTCTATGATAGAAAAACTTCTCTCATATATGTC
CCATCACTAGGGAGCCAGGGGAAGGGAGTGGGCATTACACAGGCAAGCCAACTTTTTTA
TTCAGCCAGAAAATGGATTTCTGATTCAGTTAATGGTAAGGAGTTGTGTAACCGTAC
CAAGTCTGCTTCTCCTCAGAGTGAAGTGGGCTGCATTTTTGTGACTGGAAGCATTTCT
CATAATGGTGAATTAAGCACTATAAAAAATAAAGTCAATCCCATCTCTATGAGTAGCAT
AAGAGCTGCTTCCAAGAACCCAGGGATGCCACATCCCAATAACCCACCCAGACAGGCCA
ATTCTCATAGACAGCTACATAAAACCCCTTCGTCAACTGTTTTGGGGGGTGGAGAGAGA
GGCAGTGCTTANGGAAGATGTAGGATGGATTTTTTTTTATTCTGCCACTACCAAACTAT
AAATCTCACACACTCACACGCACATACATGTCCATTNTAAGAAAGCTTTTCTCCCT
GTGACTACNGAAACCCAGAATCCAGCCTCCCTCAGCTGAGAGACGATGCCCTATTNACG
CACAGATAGCATATCAACATACTATAGAAGGGCTCTGTGA

Restriction Sites:

NotI-NotI

ACCN:

NM_024102

Insert Size:

2210 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:	<ol style="list-style-type: none">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_024102.2 , NP_077007.1
RefSeq Size:	2428 bp
RefSeq ORF:	1029 bp
Locus ID:	79084
UniProt ID:	Q9BQA1
Cytogenetics:	1p13.2
Domains:	WD40
Protein Families:	Stem cell - Pluripotency
Gene Summary:	<p>The protein encoded by this gene is an androgen receptor coactivator that forms a complex with protein arginine methyltransferase 5, which modifies specific arginines to dimethylarginines in several spliceosomal Sm proteins. The encoded protein may be involved in the early stages of prostate cancer, with most of the protein being nuclear-localized in benign cells but cytoplasmic in cancer cells. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2015]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice junction in the 3' end compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.</p>