

## WDR77 cDNA

Catalog Number: ATGD0266

### PRODUCT INFORMATION

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**Catalog number**

ATGD0266

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_077007.1

**Alternative Names**

HKMT1069, MEP-50, MEP50, Nbla10071, p44, p44/Mep50

**mRNA Refseq**

NM\_024102.2

**OMIM**

611734

**Chromosome location**

1p13.2

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

1029bp

**Preparation before usage**

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

**Vector description**

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

**Cloning Vector**

pATGen (puc19-derived cloning vector)

**General Description**

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WDR77 is a component of the 20S PRMT5 (MIM 604045) -containing methyltransferase complex, which modifies specific arginines to dimethylarginines in several spliceosomal Sm proteins. This modification targets Sm proteins to the survival of motor neurons (SMN) complex for assembly into small nuclear ribonucleoprotein core particles

### DATA

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#### Sequence nucleotides

```
ATGCGGAAGGAAACCCACCCCTAGTGCCCCGGCGGCCCGGGAGTGGAATCTTCCCCAAATGCGCCCGCCTGCAT
GGAACGGCAGTTGGAGGCTGCGCGGTACCGGTCCGATGGGGCGCTTCTCCTCGGGGCCTCCAGCCTGAGTGGGCGCTGC
TGGGCCGGCTCCCTCTGGCTTTTTAAGGACCCCTGTGCCGCCCAACGAAGGCTTCTGCTCCGCCGGAGTCCAAACGGAG
GCTGGAGTGGCTGACCTCACTTGGGTTGGGGAGAGAGGTATTCTAGTGGCCTCCGATTCAGGTGCTGTTGAATTGTGGGAA
CTAGATGAGAATGAGACACTTATTGTCAGCAAGTTCTGCAAGTATGAGCATGATGACATTGTGTCTACAGTCAGTGTCTTGA
GCTCTGGCACACAAGCTGTCAGTGGTAGCAAAGACATCTGCATCAAGGTTTGGGACCTTGCTCAGCAGGTGGTACTGAGTT
CATACCGAGCTCATGCTGCTCAGGTCACCTTGTGTTGCTGCCTCTCCTACAAGGACTCTGTGTTTCTTTCATGCAGCGAGGA
CAATAGAATTTTACTCTGGGATACCCGCTGTCCCAAGCCAGCATCACAGATTGGCTGCAGTGCGCCTGGCTACCTTCCTACC
TCGCTGGCTTGGCATCCTCAGCAAAGTGAAGTCTTTGTCTTTGGTGATGAGAATGGGACAGTCTCCCTTGTGGACACCAAGA
GTACAAGCTGTGTCCTGAGCTCAGCTGTACTCCCAGTGTGCTACTGGGCTGGTGTCTCCCCACACAGTGTTCCTTCTCT
GGCCTCTCTCAGTGAAGACTGCTCACTTGTGCTGGACTCAAGCCTTCTGAGTTGTTTAGAAGCCAAGCCCACAGAGAC
TTTGTGAGAGATGCGACTTGGTCCCCGCTCAATCACTCCCTGCTTACCACAGTGGGCTGGGACCATCAGGTCGTCCACCAC
GTTGTGCCACAGAACCTCTCCAGCCCTGGACCTGCAAGTGTTACTGAGTAG
```

#### Transaction Sequence

```
MRKETPPPLV PPAAREWNLP PNAPACMERQ LEAARYRSDG ALLLGASSLS GRCWAGSLWL FKDPCAAPNE GFCSAGVQTE
AGVADLTWVG ERGILVASDS GAVELWELDE NETLIVSKFC KYEHDDIVST VSVLSSGTQA VSGSKDICK VWDLAQQVVL
SSYRAHAAQV TCVAASPHKD SVFLSCEDN RILLWDTRCP KPASQIGCSA PGLPPTSLAW HPQQSEVVFV GDENGTVSLV
DTKSTSCVLS SAVHSQCVTG LVFSPHSVPF LASLSEDCSL AVLDSSLSEL FRSQAHRDFV RDATWSPLNH SLLTTVGWDH
QVVHHVVPTE PLPAPGPASV TE
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