

WDR77 cDNA

Catalog Number: ATGD0266

PRODUCT INFORMATION

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

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

Sequence nucleotides

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ATGCGGAAGGAAACCCACCCCCCTAGTGCCCCCGGCGGCCCGGGAGTGGAATCTTCCCCCAAATGCGCCCGCCTGCAT
GGAACGGCAGTTGGAGGCTGCGCGGTACCGGTCCGATGGGGCGCTTCTCCTCGGGGCCTCCAGCCTGAGTGGGCGCTGC
TGGGCCGGCTCCCTCTGGCTTTTTAAGGACCCCTGTGCCGCCCAACGAAGGCTTCTGCTCCGCCGAGTCCAAACGGAG
GCTGGAGTGGCTGACCTCACTTGGGTTGGGGAGAGAGGTATTCTAGTGGCCTCCGATTCAGGTGCTGTTGAATTGTGGGAA
CTAGATGAGAATGAGACACTTATTGTCAGCAAGTTCTGCAAGTATGAGCATGATGACATTGTGTCTACAGTCAGTGTCTTGA
GCTCTGGCACACAAGCTGTCAGTGGTAGCAAAGACATCTGCATCAAGGTTTGGGACCTTGCTCAGCAGGTGGTACTGAGTT
CATACCGAGCTCATGCTGCTCAGGTCACTTGTGTTGCTGCCTCTCCTCACAAGGACTCTGTGTTTCTTTCATGCAGCGAGGA
CAATAGAATTTTACTCTGGGATACCCGCTGTCCCAAGCCAGCATCACAGATTGGCTGCAGTGCGCCTGGCTACCTTCCTACC
TCGCTGGCTTGGCATCCTCAGCAAAGTGAAGTCTTTGTCTTTGGTGATGAGAATGGGACAGTCTCCCTTGTGGACACCAAGA
GTACAAGCTGTGTCCTGAGCTCAGCTGTACACTCCCAGTGTGCTCACTGGGCTGGTGTCTCCCCACACAGTGTTCCTTCCT
GGCCTCTCTCAGTGAAGACTGCTCACTTGTGCTGGACTCAAGCCTTCTGAGTTGTTTAGAAGCCAAGCCCACAGAGAC
TTTGTGAGAGATGCGACTTGGTCCCCGCTCAATCACTCCCTGCTTACCACAGTGGGCTGGGACCATCAGGTCGTCCACCAC
GTTGTGCCACAGAACCTCTCCAGCCCCCTGGACCTGCAAGTGTTACTGAGTAG
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Transaction Sequence

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