

## Product datasheet for **RC227575**

### WDR47 (NM\_001142551) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	WDR47 (NM_001142551) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	WDR47
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC227575 representing NM\_001142551  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACGGCTGAAGAAACAGTGAATGTA AAAAGAGTTGAAATCATTAAAGCTAATTTTGGACTTCTGAATT  
 CAAAGAAGCTTACATTAGTATGCTGGCCCTGGAGAAGGAAAGTGGAGTCATAAATGGCCTGTTTTCAGA  
 TGATATGCTTTTCTGAGGCAGCTAATACTTGATGGTCAATGGGATGAAGTTCTTCAGTTCATTCAGCCT  
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 CAAGGACAAAGTGATTTCAGTGCAGATGGCACACCCAGGATCTTTCCTTCTGTATCCTCTGCAGATAGA  
 ACTGTCACCCTCTGGACTTACAATGGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGAT AAGGTTTAA

Protein Sequence: >RC227575 representing NM\_001142551  
 Red=Cloning site Green=Tags(s)

MTAETVNVKEVEI I K L I L D F L N S K K L H I S M L A L E K E S G V I N G L F S D D M L F L R Q L I L D G Q W D E V L Q F I Q P  
 L E C M E K F D K K R F R Y I I L K Q K F L E A L C V N N A M S A E D E P Q H L E F T M Q E A V Q C L H A L E E Y C P S K D D Y S K L C L L  
 L T L P R L T N H A E F K D W N P S T A R V H C F E E A C V M V A E F I P A D R K L S E A G F K A S N N R L F Q L V M K G L L Y E C C V E F  
 C Q S K A T G E E I T E S E V L L G I D L L C G N G C D D L D L S L L S W L Q N L P S S V F S C A F E Q K M L N I H V D K L L K P T K A A Y  
 A D L L T P L I S K L S P Y P S S P M R R P Q S A D A Y M T R S L N P A L D G L T C G L T S H D K R I S D L G N K T S P M S H S F A N F H Y  
 P G V Q N L S R S L M L E N T E C H S I Y E E S P E R D T P V D A Q R P I G S E I L G Q S S V S E K E P A N G A Q N P G P A K Q E K N E L R  
 D S T E Q F Q E Y Y R Q R L R Y Q Q H L E Q K E Q Q R Q I Y Q Q M L L E G G V N Q E D G P D Q Q Q N L T E Q F L N R S I Q K L G E L N I G M  
 D G L G N E V S A L N Q Q C N G S K G N G S N G S S V T S F T P P Q D S S Q R L T H D A S N I H T S T P R N P G S T N H I P F L E E S P C  
 G S Q I S S E H S V I K P P L G D S P G S L S R S K G E E D D K S K K Q F V C I N I L E D T Q A V R A V A F H P A G G L Y A V G S N S K T L  
 R V C A Y P D V I D P S A H E T P K Q P V V R F K R N K H H K G S I Y C V A W S P C G Q L L A T G S N D K Y V K V L P F N A E T C N A T G P  
 D L E F S M H D G T I R D L A F M E G P E S G G A I L I S A G A D C N I Y T T D C Q R G Q L H A L S G H T G H I L A L Y T W S G W M I A  
 S G S Q D K T V R F W D L R V P S C V R V V G T T F H G T G S A V A S V A V D P S G R L L A T G Q E D S S C M L Y D I R G R M V Q S Y H P  
 H S S D V R S V R F S P G A H Y L L T G S Y D M K I K V T D L Q G D L T K Q L P I M V V G E H K D K V I Q C R W H T Q D L S F L S S A D R  
 T V T L W T Y N G

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

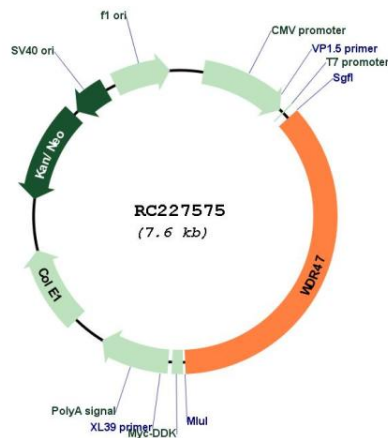
Cloning Scheme:



ACCN: NM\_001142551

<b>ORF Size:</b>	2757 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_001142551.2</a>
<b>RefSeq Size:</b>	4370 bp
<b>RefSeq ORF:</b>	2760 bp
<b>Locus ID:</b>	22911
<b>UniProt ID:</b>	<a href="#">O94967</a>
<b>Cytogenetics:</b>	1p13.3
<b>MW:</b>	101.9 kDa

**Product images:**



Circular map for RC227575