

Product datasheet for **RC224354**

WDR89 (NM_001008726) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	WDR89
Synonyms:	C14orf150; MSTP050
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC224354 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAAAGATTGAGGAACAATTTGCTAATCTGCACATTGTTAAATGTTCTTAGGAACCAAAGAGCCCA
CTTACCTTCTTGGTATAGACACATCAAAGACTGTCCAAGCAGGAAAGGAAAACCTTGGTTGCTGTTTTATG
TTCTAATGGATCAATCAGAATATATGATAAAGAAAGGTTAAATGTACTACGAGAATTTAGTGGATATCCT
GGACTTCTTAATGGAGTCAGATTTGCAAATTCCTGTGACAGTGTATATTCAGCATGTACTGATGGCACTG
TGAAATGCTGGGATGCTCGAGTAGCCAGAGAAAAACCTGTTCAAGCTCTTCAAGGTTACCCCTTCCAATAT
TTTTATCAGTTTTGATTAATTGTAATGATCATATTATTTGTGCTGGTACAGAAAAAGTTGATGATGAT
GCATTGTTGGTGTGTTGGGATGCAAGGATGAATTCAGAATTTATCTACAACCTAAAGACTCACTGGTG
CATATTCAGAGACATAGTGATGATGCTCAAGTACGTTTCCATCCAGCAATCCCAACATGGTAGT
CTCAGGTTCTATCTGATGGCCTGGTAAATGTATTGATTAATATTGATAATGAGGAGGATGCATGGTT
ACAACCTGTAACCTCAATTCATCAGTAAGCTGTATTGGTTGGTCTGGGAAAGGTTATAAACAGATTTACT
GCATGACACATGATGAAGGATTTTATTGGTGGGATCTTAATCATCTGGACACTGATGAACCAAGTTACACG
TTTGAACATCCAGGATGTCAGAGAAGTAGTTAACATGAAAGAAGATGCTTTGGACTATTTGATTGGTGGC
CTATATCATGAAAAGACAGACACATTGCATGTTATTGGAGGAACAAACAAAGGAAGGATTCATTTGATGA
ACTGCAGCATGTCAAGGACTGACCCATGTGACTAGCCTTCAGGGAGGGCATGCTGCTACAGTCCGTTCTTT
CTGTTGGAATGTGCAAGATGATTCTTTGTTGACTGGAGGAGAAGATGCACAGTTGTTACTTTGAAACCT
GGAGCTATAGAGAAGACCTTTACAAAGAAAGAGAGATGAAAATAGCATCCTCTGTGCCAACGAGTAC
GAGTTCATAGTAATGATTCTTATAAAAGAAGAAAAAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC224354 protein sequence
 Red=Cloning site Green=Tags(s)

MEKIEEQFANLHIVKCSLGTKEPTYLLGIDTSKTVQAGKENLVAVLCSNGSIRIYDKERLNVREFSGYP
 GLLNGVRFANS CDSVYSACTDGTVCWDARVAREKPVQLFKGYPSNIFISFDINCNDHIICAGTEKVDDD
 ALLVFWDARMNSQNLSTTKDSL GAYSETHSDDVTQVRFHPSNPNMVVS GSSDGLVNVFDINIDNEEDALV
 TTCNSISSVSCIGWSGKGKQIYCMTHDEGFYWDLNHLDTDEPVTRLNIQDVREV VNMKEDALDY LIGG
 LYHEKTDTLHVIGGTNKGRIHLMNCMSGLTHVTS LQGGHAATVRSFCWNVQDDSLLTGGEDAQLLLWKP
 GAIEKTFTTKESMKIASSVHQVRVHSNDSYKRKKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

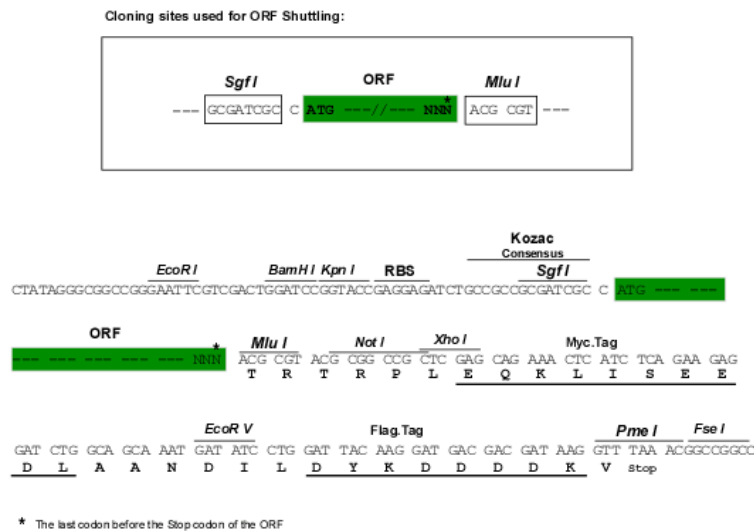
Chromatograms:

https://cdn.origene.com/chromatograms/mk6303_d06.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001008726

ORF Size:

1161 bp

OTI Disclaimer:

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. [More info](#)

OTI Annotation:

This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_001008726.3](#)

RefSeq Size: 3284 bp

RefSeq ORF: 1164 bp

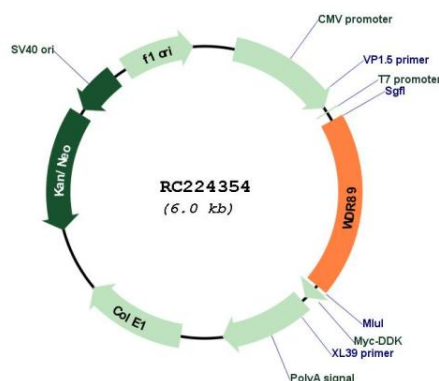
Locus ID: 112840

UniProt ID: [Q96FK6](#)

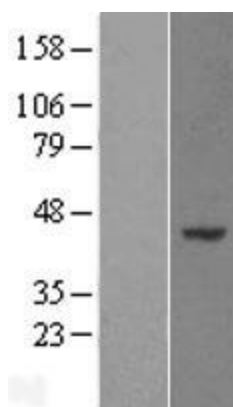
Cytogenetics: 14q23.2

MW: 43.2 kDa

Product images:



Circular map for RC224354



Western blot validation of overexpression lysate (Cat# [LY423361]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224354 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).