

Product datasheet for RC221134

WDR74 (NM_018093) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR74 (NM_018093) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	WDR74
Synonyms:	Nsa1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC221134 representing NM_018093 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCTGCTGCTGCACGCTGGAACCATGTGTGGTCCGCACCGAGACTGGGATCTTAAAGGGTAA
ATCTTCAGCGAAAACAGGCGCGAACTTCACGGCCGAGGACAGCCGCGCGAGGAGGACAGTGGCGC
CCTGTGTTGGGGACCGCGCGAGACCCAGATGCTGGTGGGCTGCGCGGACAGGACGGTGAAGCACTTC
AGCACCGAGGATGGCATATCCAGGGTCAGAGACTGCCCGGGGGAGGGCATGTTCCGTGGCCTCG
CCCAGGCCGACGGCACCCCTCATCATGTGTGGATTCTGGGATTCTCAGAGTCTGGCATGACAAGGACAA
GGACACATCCTCTGACCCACTCCTGGAAGTGGAGTGGGCCCTGGGGTGTGTAGGATGCGCCAAGACCCA
GCACACCCCATGTGGTTGCCACAGGTGGGAAAGAGAATGCTTTGAAGATATGGGACCTGCAGGGCTCTG
AGGAACCTGTGTTCCAGGCCAAGAAGCTGCGGAATGACTGGTGGACCTGCGGGTCCCCTCTGGGACCA
GGACATACAGTTTCTCCAGGATCACAGAAGCTTGTACCTGCACAGGGTACCACCAGGTCGGTGTATAT
GATCCAGCATCCCCCAGCGCGGCCAGTCTAGAGACCCTATGGAGAGTACCCACTAACAGCCATGA
CCCTCACTCCGGGAGGCAACTCAGTATTGTGGGAAACTCATGGCAGCTGGCAGAAATTGACCTTCG
GCAAGGGCGTCTACTGGGCTGTCTGAAGGGCTGGCAGGACAGTGTGCGTGGGTTGAGTCCACCCCTCA
AAGCCTCTACTAGCCTCCTGTGGCTTGGACAGAGTCTTGAGGATACACAGGATCCAGAATCCAGGGGTC
TGGAGCATAAGGTTTATCTCAAGTCTCAATTGAACTGCCTCCTCTTGTGAGGACAGGACAACTGGGAGGA
TGAGCCCCAAGAGCCTCAAGAACCAACAAGGTGCCCTAGAAGACACAGAGACAGATGAACTTTGGGCA
TCCTTGGAGGACGCTGCCAAGCGGAAGCTCTCGGGTTTGGAGCAGCCCCAAGGAGCTCTCCAACGAGAC
GGAGAAAGAAGAAGCGGCTGGTCCACCAGCCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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.

RefSeq: [NM_018093.3](#)

RefSeq Size: 1366 bp

RefSeq ORF: 1158 bp

Locus ID: 54663

UniProt ID: [Q6RFH5](#)

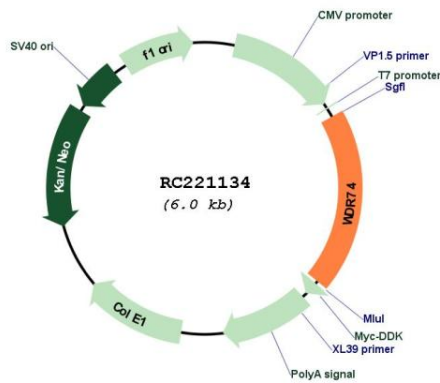
Cytogenetics: 11q12.3

Domains: WD40

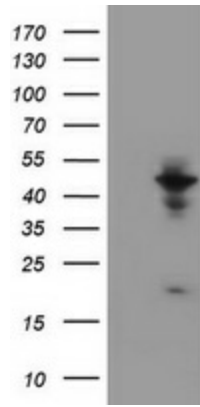
MW: 42.3 kDa

Gene Summary: Regulatory protein of the MTREX-exosome complex involved in the synthesis of the 60S ribosomal subunit (PubMed:26456651). Participates in an early cleavage of the pre-rRNA processing pathway in cooperation with NVL (PubMed:29107693). Required for blastocyst formation, is necessary for RNA transcription, processing and/or stability during preimplantation development (By similarity).[UniProtKB/Swiss-Prot Function]

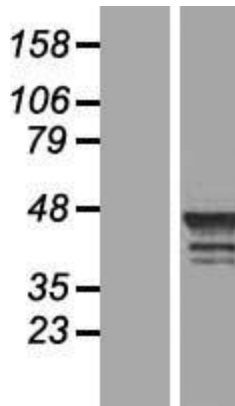
Product images:



Circular map for RC221134



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY WDR74 (Cat# RC221134, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-WDR74(Cat# [TA800467]). Positive lysates [LY413318] (100ug) and [LC413318] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY413318]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221134 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).