

Product datasheet for **RG227755**

WDR79 (WRAP53) (NM_001143990) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR79 (WRAP53) (NM_001143990) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	WDR79
Synonyms:	DKCB3; TCAB1; WDR79
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG227755 representing NM_001143990
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGACTTTGGAGACTCAACCGTTAGCTCCGGACTGCTGTCCTTCAGACCAGGACCCAGCTCCAGCCC
 ATCCTTCTCCCCACGCTTCCCCGATGAATAAAAAATGCGGACTCTGAACTGATGCCACCGCTCCCCAAAAG
 GGGGGATCCGCCCGGTTGTCCCAAGTCTGTGGCTGGCTCAGCTGTGTCCAGGAGCTACGGGAGGGG
 GACCCAGTTTCTCTCCACTCCCTGGAAACAGAGTTTGGTTCCCTAGTGAGTTGAGTCTCGAATCG
 AGGAGCAAGAAGTTTCTGAAAATAACAAGCTTCTGCAGAAGAAGCAAACGGGAGCCTTTCTGAAGAAGA
 AGCGAACGGGCCAGAGTTGGGGTCTGAAAAGCCATGGAAGATACCTCTGGGGAACCCGCTGCAGAGGAC
 GAGGGAGACCCGCTTGGAACTACAGCTTCTCCAGCTGCCTCGATTTCTCAGTGGTTCTGGTCAGAGT
 TCAGCACCAACCTGAGAACTTCTGAAAGGCTGTAAGTGGGCTCCTGACGGTTCCTGCATCTTGACCAA
 TAGTGCTGATAACATCTTGCGAATTTATAACCTGCCCCAGAGCTGTACCATGAGGGGGAGCAGGTGGAA
 TATGCAGAAATGGTCCCTGTCTTCAATGGTGAAGGTGATACCATCTATGATTACTGTGGTATTCTC
 TGATGTCTCAGCCCAGCCAGACACCTCTACGTGGCCAGCAGCAGCCGGGAGAACCCGATTTCATATCTG
 GGACGCATTCACTGGAGAGCTCCGGGCTTCTTTTCGCGCTACAACACCTGGATGAGCTGACGGCAGCC
 CATTTCGCTCTGCTTCTCCCCGGATGGCTCCAGCTTCTGTGGCTTCAACCCGACTGTGCGTGTTTTTT
 CCACGGCCCGGCTGGCCGAGACTGCGAGGTCCGAGCCACATTTGCAAAAAGCAGGGCCAGAGCGGCAT
 CATCTCTGCATAGCCTTACGCCAGCCAGCCCTCTATGCCTGTGGCTCCTACGGCCGCTCCCTGGGT
 CTGTATGCCTGGGATGATGGCTCCCTCTCGCTTGTGGGAGGGACCAAGGGGGCATCACCCACCTCT
 GCTTTTCATCCCGATGGCAACCGTCTTCTCAGGAGCCGCAAGGATGCTGAGCTCCTGTGCTGGATCT
 CCGGCAGTCTGGTTACCCACTGTGGTCCCTGGTTCGAGAGGTGACCACCAATCAGCGCATCTACTTCGAT
 CTGGACCCGACCCGGCAGTTCCTAGTGAGTGGCAGCAGCAGCGGGGCTGTCTCTGTGTGGACACGGACG
 GGCTGGCAATGATGGGAAGCCGGAGCCGCTGTTGAGTTTTCTGCCCAAGGACTGCACCAATGGCGT
 GAGCCTGCACCCTAGCCTGCCTCTCTGGCCACTGCCTCCGGTCAGCGTGTGTTTCTGAGCCACAGAG
 AGTGGGGACGAAGGAGAGGAGCTGGGCTTCCCTTGTCTCCACGCGCCACGTCCACCTTGAAATGTCGGC
 TTCAGCTCTGGTGGTGTGGGGGGCCAGACTCCAGCATCCCTGATGATCACCAGGGCGAGAAAGGGCA
 GGGAGGAACGGAGGGAGGTGTGGGTGAGCTGATA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG227755 representing NM_001143990
 Red=Cloning site Green=Tags(s)

MKTLETQPLAPDCCPSDQDPAPAHPSPHASPMKNADSELMPPPPERGDPPRLSPDPVAGSAVSQELREG
 DPVSLSTPLETEFGSPSELSPRIIEQELSENTSLPAEEANGSLSEEEANGPELGSKAMEDTSGEPAAED
 EGDTAWNYSFSQLPRFLSGSWSEFSTQPENFLKGCKWAPDGCILTNSADNILRIYNLPPELYHEGEQVE
 YAEMVPVLRMVEGDTIYDYCWYSLMSSAQPDTSYVASSSRENPIHIWDAFTGELRASFRAYNHLDELTA
 HSLCFSPDGSQFLCGFNRTVRVFSSTARPRDCEVRATFAKKQGSIGIISCIASFPAQPLYACGSYGRSLG
 LYAWDDGSPLALLGGHQGGITHLCFHPDGNRFFSGARKDAELLCWDLRQSGYPLWSLGREVTTNQRIFYD
 LDPTGQFLVSGSTSGAVSVWDTDGPNGDKPEPVL SFLPQKDCNTNGVSLHPSLPLLATASGQRVFPEPTE
 SGDEGEELGLPLLSTRHVHLECRLLQWCGGAPDSSIPDDHQGEKGQGGTEGGVGELI

TRTRPLE – GFP Tag – V

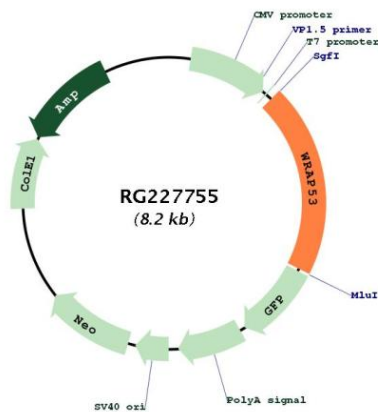
Restriction Sites:

Sgfl-MluI

Cytogenetics: 17p13.1

Gene Summary: This gene encodes an essential component of the telomerase holoenzyme complex, a ribonucleoprotein complex required for telomere synthesis. This protein is enriched in Cajal bodies, nuclear sites of RNP processing that are important for telomerase function. It interacts with dyskerin, TERT and TERC, other components of active telomerase, and with small Cajal body RNAs (scaRNAs), which are involved in modifying splicing RNAs. This mRNA also functions as a p53 antisense transcript, that regulates endogenous p53 mRNA levels and further induction of p53 protein by targeting the 5' untranslated region of p53 mRNA. Alternatively spliced transcript variants which differ only in the 5' UTR have been found for this gene. [provided by RefSeq, Mar 2011]

Product images:



Circular map for RG227755