

# Recombinant Human WRAP53 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** WRAP53-3398H    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

WRAP53 MS Standard C13 and N15-labeled recombinant protein (NP\_001137464) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### Description

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.

### Molecular Mass

59.3 kDa

### AA Sequence

MKTLETQPLAPDCCPSDQDPAPAHPSPHASPMNKNADSELMPPPPARGDPPRLSP  
 DPVAGSAVSQELREGDPVSLSTPLETEFGSPSELSPRIEEQELSENTSLPAEEANGS  
 LSEEEANGPELGGKAMEDTSGEPAAEDEGDTAWNYSFSQLPRFLSGSWSEFSTQ  
 PENFLKGCKWAPDGCILTNSADNILRIYNLPPELYHEGEQVEYAEMVPLRMVEGD

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TIYDYCWYSLMSSAQPDTSYVASSSRENPIHIWDAFTGELRASFRAYNHLDELTA AH  
 SLCFSPDGSQ LFCGFNRTVRVFSTARPGRDCEVRATFAKKQGQSGIISCI AFSPAQP  
 LYACGSYGRSLGLYAWDDG SPLALLGGHQGGITHLCFHPDGNRFFSGARKDAELLC  
 WDLRQSGYPLWSLGREVTTNQRIYFDLPTGQFLVSGSTSGAVSVWDTDGP GNDG  
 KPEPVL SFLPQKDCTNGVSLHPSLPLLATASGQRVFP EPTESGDEGEELGLPLLSTR  
 HVHLECR LQLWWCGGAPDSSIPDDHQGEKGGTEGGV GELITRTRPLEQKLISEE  
 DLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** WRAP53 WD repeat containing antisense to TP53 [ Homo sapiens (human) ]

**Official Symbol** WRAP53

**Synonyms** WRAP53; WD repeat containing, antisense to TP53; WD repeat domain 79, WDR79; telomerase Cajal body protein 1; FLJ10385; TCAB1; telomerase cajal body protein 1; WD encoding RNA antisense to p53; WD repeat domain 79; WD40 protein Wrap53; WD repeat-containing protein 79; WD40 repeat-containing protein encoding RNA antisense to p53; DKCB3; WDR79;

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Gene ID 55135

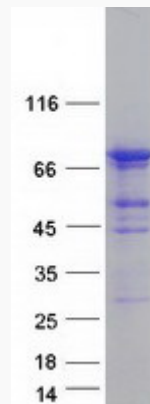
mRNA Refseq NM\_001143992

Protein Refseq NP\_001137464

MIM 612661

UniProt ID Q9BUR4

SDS-PAGE



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