

# Recombinant Full Length Human WRAP53 Protein, C-Flag-tagged

**Cat. No.** WRAP53-1968HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human WRAP53 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | 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. |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | 59.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MKTLETQPLAPDCCPSDQDPAPAHPSPHASPMNKNADSELMPPPPERGDPPRLSP<br>DPVAGSAVSQELREG DPVSLSTPLETEFGSPSELSPRIEEQELSENTSLPAEEANGS<br>LSEEEANGPELGSGKAMEDTSGEPAAED EGD TAWNYSFSQLPRFLSGSWSEFST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QPENFLKGCKWAPDGSCILTNSADNILRIYNLPPELYHEGEQVE YAEMVPVLRMVE  
 GDTIYDYCWYSLMSSAQPDTSYVASSSRENPIHIWDAFTGELRASFRAYNHLDELTA  
 A HSLCFSPDGSQLFCGFNRTVRVFSTARPGRDCEVRATFAKKQGQSGIISCIASFPA  
 QPLYACGSYGRSLG LYAWDDGSPLALLGGHQGGITHLCFHPDGNRFFSGARKDAE  
 LLCWDLRQSGYPLWSLGREVTTNQRIYFD LDPTGQFLVSGSTSGAVSVWDTDGP  
 NDGKPEPVLSFLPQKDCTNGVSLHPSLPLLATASGQRVFPEPTE SGDEGEELGLPL  
 LSTRHVHLECRLLQWWCGGAPDSSIPDDHQGEKGQGGTEGGVGELI TRTRPLEQK  
 LISEEDLAANDILDYKDDDDKV

|                      |                                                                                                                                               |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>        | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>     | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>       | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b> | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>   | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Full Length</b>   | Full L.                                                                                                                                       |

## GENE INFORMATION

|                        |                                                                        |
|------------------------|------------------------------------------------------------------------|
| <b>Gene Name</b>       | WRAP53 WD repeat containing antisense to TP53 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | WRAP53                                                                 |
| <b>Synonyms</b>        | DKCB3; TCAB1; WDR79                                                    |

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|                |             |
|----------------|-------------|
| Gene ID        | 55135       |
| mRNA Refseq    | NM_018081.2 |
| Protein Refseq | NP_060551.2 |
| MIM            | 612661      |
| UniProt ID     | Q9BUR4      |



Coomassie blue staining of purified WRAP53 protein.