

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	MKTLETQPLAPDCCPSDQDPAPAHPSPHASPMNKNADSELMPPPPPERGDPPRLSP DPVAGSAVSQELREGDPVSLSTPLETEFGSPSELSPRIEEQELSENTSLPAEEANGS LSEEEANGPELGSGKAMEDTSGEPAAEDEGDTAWNYSFSQLPRFLSGSWSEFSTQ PENFLKGCKWAPDGCILTNSADNILRIYNLPPELYHEGEQVEYAEMVPVLRMVEGD

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TIYDYCWYSLMSSAQPDTSYVASSSRENPIHIWDAFTGELRASFRAYNHLDELTA AH
SLCFSPDGSQ LFCGFNRTVRVFSTARPGRDCEVRATFAKKQGQSGIISCI AFSPAQP
LYACGSYGRSLGLYAWDDGSPLALLGGHQGGITHLCFHPDGNRFFSGARKDAELLC
WDLRQSGYPLWSL GREVTTNQRIYFDLPTGQFLVSGSTSGAVSVWDTDGP GNDG
KPEPVLSFLPQKDCTNGVSLHPSLPLLATASGQRVFPEPTESGDEGEELGLPLLSTR
HVVHLECRLQLWWCGGAPDSSIPDDHQGEKGQGGTEGGVGELITRTRPLEQKLISEE
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	