

Product datasheet for PH300142

WDR79 (WRAP53) (NM_018081) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	WRAP53 MS Standard C13 and N15-labeled recombinant protein (NP_060551)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200142
Predicted MW:	59.3 kDa
Protein Sequence:	>RC200142 protein sequence Red=Cloning site Green=Tags(s)

MKTLETQPLAPDCCPSDQDPAPAHPSPHASPMKNADSELMPPPPERGDPPRLSPDPVAGSAVSQELREG
DPVSLSTPLETEFGSPSELSPRIEEQELSENTSLPAEEANGSLSEEEANGPELGSGKAMEDTSGEPAAED
EGDTAWNYSFSQLPRFLSGSWSEFSTQPENFLKGCKWAPDGCILTNSADNILRIYNLPPELYHEGEQVE
YAEMVPLRMVEGDTIYDYCWYSLMSSAQPDTSYVASSRENPIHIWDAFTGELRASFRAYNHLDELTA
HSLCFSPDGSQFLCGFNRTVRVFSTARPRDCEVRATFAKKQGQSGIISCIASFSPAQPLYACGSYGRSLG
LYAWDDGSPLALLGGHQGGITHLCFHPDGNRFFSGARKDAELLCWDLRQSGYPLWSL GREVTTNQRIFYFD
LDPTGQFLVSGSTSGAVSVWDTDGPNGDKPEPVL SFLPQKDC TNGVSLHPSLPLLATASGQRVFPEPTE
SGDEGEELGLPLLSTRHVHLECRQLLWWC GGAPDSSIPDDHQGEKGQGGTEGGV GELI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_060551</u>
RefSeq Size:	1982
RefSeq ORF:	1644



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Synonyms: DKCB3; TCAB1; WDR79

Locus ID: 55135

UniProt ID: [Q9BUR4](#)

Cytogenetics: 17p13.1

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:



Coomassie blue staining of purified WRAP53 protein (Cat# [TP300142]). The protein was produced from HEK293T cells transfected with WRAP53 cDNA clone (Cat# [RC200142]) using MegaTran 2.0 (Cat# [TT210002]).