

Product datasheet for PH318128

WDR59 (NM_030581) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	WDR59 MS Standard C13 and N15-labeled recombinant protein (NP_085058)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218128
Predicted MW:	109.6 kDa
Protein Sequence:	>RC218128 representing NM_030581 Red=Cloning site Green=Tags(s)

MAARWSEENVVVEFRDSQATAMSVDCLGQHAVLSGRRFLYIVNLDAPFEGHRKISRQSKWDIGAVQWNP
DSFAHYFAASSNQVRDLYKWKDGSGEVGTTLQGHTRVISDLDWAVFEPDLLVTSSVDTYIYIWDIKDTRK
PTVALSAVAGASQVKNKNANCLATSHDGDVRIWDRKRPSTAVEYLAHL SKIHGLDWHPDSEHILATS
SQDNSVKFWDYRQPRKYLNLPCQVPVWKARYTPFSNGLVTVMVQLRRENSLLLNWVFDLNPVHTFVG
HDDVVLEFQWRKQKEGSKDYQLVTWSRDQTLRMWRVDSQMORLCANDILDGVDEFIESISLLPEPEKTLH
TEDTDHQHTASHGEEALKEPPRNLLEERKSDQLGLPQTLQEFSLINVQIRNVNEMDAADRCTVSV
HCSNHRVKMLVKFPAQYPNNAAPSFQFINPTTITSTMKAKLLKILKDTALQKVKRGQSCLEPCLRQLVSC
LESFVNQEDSASSNPFALPNSVTPPLPTFARVTTAYGSYQDANIPFRTSGARFCGAGYL VYFTRPMTMH
RAVSPTPTPRSLALSAYHTGLIAPMKIRTEAPGNLRLYSGSPTRSEKEQVSISSFYKERSRRWKS
REGSDSGNRQIKAAGKVI IQDIACLLPVHKS LGELYILNVNDIQETCQKNAASALLVGRKDLVQVWSLAT
VATDLCLGPKSDPDLETWARHPFGRQLLESLLAHYCLRDVQTLAMLCSVFEAQSRPQGLPNPFGPFPN
RSSNLVSHSRYPSTSSGSCSSMSDPGLNTGGWNIAGREAEHLSSPWGESSPEELRFGSLTYSDPRE
RDQHDKNRLLDPANTQQFDDFKCYGEL YRWGLREKRAEVLKFVSCPPDPHKGIEFGVYCSHRSEVR
GTQCAICKGFTFQCAICHVAVRGSNFCLTCGHGGHTSHMMEWFRTQEVCP TGC GCHCLLESTF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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.

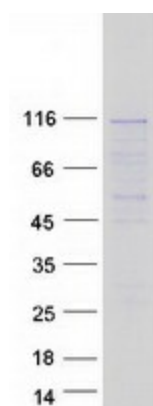


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RefSeq:	NP_085058
RefSeq Size:	3678
RefSeq ORF:	2922
Synonyms:	CDW12; FP977; p90-120
Locus ID:	79726
UniProt ID:	Q6PJJ9
Cytogenetics:	16q23.1

Summary: As a component of the GATOR subcomplex GATOR2, functions within the amino acid-sensing branch of the TORC1 signaling pathway. Indirectly activates mTORC1 and the TORC1 signaling pathway through the inhibition of the GATOR1 subcomplex (PubMed:23723238). It is negatively regulated by the upstream amino acid sensors SESN2 and CASTOR1 (PubMed:25457612, PubMed:27487210).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified WDR59 protein (Cat# [TP318128]). The protein was produced from HEK293T cells transfected with WDR59 cDNA clone (Cat# [RC218128]) using MegaTran 2.0 (Cat# [TT210002]).