

## Product datasheet for TP318128M

### WDR59 (NM\_030581) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human WD repeat domain 59 (WDR59), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC218128 representing NM_030581 Red=Cloning site Green=Tags(s)

MAARWSEENVVEFRDSQATAMSVDCLGQHAVLSGRRFLYIVNLDAPFEGHRKISRQSKWDIGAVQWNP  
DSFAHYFAASSNQRVDLYKWKDGSGEVGTTLQGHTRVISDLWAVFEPDLLVTSVDTYIYIWDIKDTRK  
PTVALSAVAGASQVKWNKKNANCLATSHDGDVRIWDKRKPSTAVEYLAHLSKIHGLDWHPDSEHILATS  
SQDNSVKFWDYRQPRKYLNLPCQVPVKARYTPFSNGLVTVMVQRLRRENSLLLWNVFDLNTPVHTFVG  
HDDVWLEFQWRKQKEGSKDYQLVTWSRDQTLRMWRVDSQMQRCLCANDILDGVDEFIESISLLPEPEKTLH  
TEDTDHQHTASHGEEEALKEDPPRNLEERKSDQLGLPQTLQQEFSLINVQIRNVNVEMDAADRSCVTSV  
HCSNHRVKMLVKFPAQYPNNAAPSFQFINPTTITSTMKAKLLKILKDTALQKVKRGQSCLEPCLRQLVSC  
LESFVNQEDSASSNPFALPNSVTPPLPTFARVTTAYGSYQDANIPFPRTSGARFCGAGYLVYFTRPMTMH  
RAVSPTPTPRSLALSAYHTGLIAPMKIRTEAPGNLRLYSGSPTRSEKEQVSISFFYKERKSRRWKSK  
REGSDSGNRQIKAAGKVIIQDIACLLPVHKSGLGELYILNVNDIQETCQKNAASALLVGRKDLVQVWVSLAT  
VATDLCGLPKSDPDLETPWARHPFGRQLLESLLAHYCRLRDVQTLAMLCSVFQAQSRPQGLPNPFGPFPN  
RSSNLVSHSRYPSTSSGSCSSMSDPGLNTGGWNIAGREAHLSSPWGESSPEELRFGSLTYSDPRERE  
RDQHDKNKRLDPANTQQFDDFKKCYGEILYRWGLREKRAEVLKRVSCPPDPHKGIEFGVYCSHCRSEVR  
GTQCAICKGFTFQCAICHVAVRGSSNFCLTCGHGGHTSHMMEWFRTQEVCPGCGCHCLESTF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

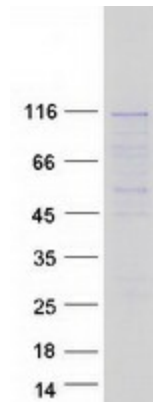
Tag:	C-Myc/DDK
Predicted MW:	109.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<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>RefSeq:</b>	<a href="#">NP_085058</a>
<b>Locus ID:</b>	79726
<b>UniProt ID:</b>	<a href="#">Q6P1I9</a>
<b>RefSeq Size:</b>	3678
<b>Cytogenetics:</b>	16q23.1
<b>RefSeq ORF:</b>	2922
<b>Synonyms:</b>	CDW12; FP977; p90-120
<b>Summary:</b>	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]).