

## Product datasheet for TP318128

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

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human WD repeat domain 59 (WDR59), 20 µg    |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC218128 representing NM_030581<br>Red=Cloning site Green=Tags(s) |

MAARWSENWVEFRDSQATAMSVDCLGQHAVLSGRRFLYIVNLDAPFEGHRKISRQSKWDIGAVQWNP  
DSFAHYFAASSNQRVDLYKWKDGSGEVGTTLQGHTRVISDLWAVFEPDLLVTSVDTYIYIWDIKDTRK  
PTVALSAVAGASQVKWNKKNANCLATSHDGDVRIWDKRKPSTAVEYLAHLSKIHGLDWHPDSEHILATS  
SQDNSVKFWDYRQPRKYLNLPCQVPVKARYTPFSNGLVTVMVPQLRRENSLLLWNVFDLNTPVHTFVG  
HDDVWLEFQWRKQKEGSKDYQLVTWSRDQTLRMWRVDSQMQRCLCANDILDGVDEFIESISLLPEPEKTLH  
TEDTDHQHTASHGEEEALKEDPPRNLEERKSDQLGLPQTLQQEFSLINVQIRNVNVEMDAADRSTVSV  
HCSNHRVKMLVKFPAQYPNNAAPSFQFINPTTITSTMKAKLLKILKDTALQKVKRGQSCLEPCLRQLVSC  
LESFVNQEDSASSNPFALPNSVTPPLPTFARVTTAYGSYQDANIPFPRTSGARFCGAGYLVYFTRPMTMH  
RAVSPTEPTPRSLALSAYHTGLIAPMKIRTEAPGNLRLYSGSPTRSEKEQVSISFFYKERKSRRWKSK  
REGSDSGNRQIKAAGKVIIQDIACLLPVHKSGLGELYILNVNDIQETCQKNAASALLVGRKDLVQVWVSLAT  
VATDLCGLPKSDPDLETPWARHPFGRQLLESLLAHYCLRDVQTLAMLCSVFQAQSRPQGLPNPFGPFPN  
RSSNLVSHSRYPSTSSGSCSSMSDPGLNTGGWNIAGREAHLSSPWGESSPEELRFGSLTYSDPRERE  
RDQHDKNKRLDPANTQQFDDFKKCYGEILYRWGLREKRAEVLKRVSCPPDPHKGIEFGVYCSHCRSEVR  
GTQCAICKGFTFQCAICHVAVRGSSNFCLTCGHGGHTSHMMEWFRTQEVCPGCGCHCLESTF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

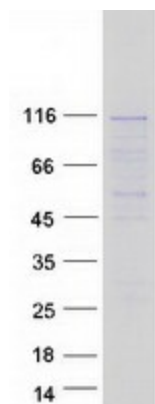
|                |  |
|----------------|--|
| Tag:           | C-Myc/DDK  |
| Predicted MW:  | 109.6 kDa  |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:        | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:        | 25 mM Tris-HCl, 100 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]).