

Recombinant Human WDR59 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. WDR59-2238H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WDR59 MS Standard C13 and N15-labeled recombinant protein (NP_085058) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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. It is negatively regulated by the upstream amino acid sensors SESN2 and CASTOR1.
Molecular Mass	109.6 kDa
AA Sequence	MAARWSSENVVVEFRDSQATAMSVDCLGQHAVLSGRRFLYIVNLDAPFEGHRKISR QSKWDIGAVQWNP HDSFAHYFAASSNQ RVDLYKWKDGSGEVGTTLQGHTRVISDL DWAVFEPDLLVTSSVDTYIYIWDIKDTRKPTVALSAVAGASQVKWNKKNANCLATSH DGDVRIWDKRKPSTAVEYLAHL SKIHGLDWHPDSEHILATSSQDNSVKFWDYRQP RKYLNILPCQVPVWKARYTPFSNGLVTVMVPQLRRENSLLLWNVFDLNTPVHTFVG HDDVVLEFQWRKQKEGSKDYQLVTWSRDQTLRMWRVDSQMQRLCANDILDGVDE FIESISLLPEPEKTLHTEDTDHQHTASHGEEEALKEDPPRNLL EERKSDQLGLPQTLQ QEFSLINVQIRNVNVEMDAADR SCTVSVHCSNHRVKMLVKFPAQYPNNAAPSFQFIN PTTITSTMKAKLLKILKDTALQKV KRGQSCLEPCLRQLVSCLESFVNQEDSASSNPFA

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LPNSVTPPLPTFARVTTAYGSYQDANIPFPRTSGARFCGAGYLVYFTRPMTMHRV
 SPTEPTPRSLALSAYHTGLIAPMKIRTEAPGNLRLYSGSPTRSEKEQVSISFFYYKE
 RKSRRWKSREGSDSGNRQIKAAGKVIIQDIACLLPVHKS LGELYILNVNDIQETCQK
 NAASALLVGRKDLVQVWSLATVATDLCLGPKSDPDLETPWARHPFGRQLLESLLAH
 YCRLRDVQTLAMLCVFEAQSRPQGLPNPFGFPNRRSSNLVSHSRYPSTSSGSC
 SSMSDPGLNTGGWNIAGREAEHLSSPWGESSPEELRFGSLTYSDPRERERDQHDK
 NKRLDPANTQQFDDFKKCYGEILYRWGLREKRAEVLKFVSCPPDPHKGIEFGVYC
 SHCRSEVRGTQCAICKGFTFQCAICHVAVRGSSNFCLTCGHGGHTSHMMEWFRTQ
 EVCPTGCGCHCLLESTFTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 WDR59 WD repeat domain 59 [Homo sapiens (human)]

Official Symbol WDR59

Synonyms WDR59; WD repeat domain 59; WD repeat-containing protein 59; FLJ12270; FP977; MGC11230;

Gene ID 79726

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mRNA Refseq	NM_030581
Protein Refseq	NP_085058
MIM	617418
UniProt ID	Q6PJI9

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