

Product datasheet for **TP305719M**

WDR91 (NM_014149) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human WD repeat domain 91 (WDR91), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC205719 protein sequence
Red=Cloning site **Green**=Tags(s)

MAEAVERTDELVREYLLFRGFTHTLRQLDAEIKADKEKGFVRVDKIVDQLQQLMQVYDLAALRDYWSYLER
RLFSRLEDIYRPTIHKLTSLFRFYLVTIQTNRNDKAQEFAKQATELQNQA EWKDWFLPFLPSPDTN
PTFATYFSRQWADTFIVSLHNFLSVLFQCMPPVILNFDACQRTNQVQEENEVLRQKLFALQAEIHRK
KEEQQPEEEALVQHKLPYVSNMDRLGDSELAMVCSQRNASLSQSPRVGFLSLLPQSKKSPSRLSPAQ
GPPQPQSSAKKESFGGQGTGKGDPTSGAKDGKSLLSGLATGESGWSQHRQRRQLDGHGKERKELFSTTTS
Q
CAEKKPEASGPEAEPCPELHTEPVEPLTRASSAGPEGGGVRPEQPFIVLGQEEYGEHHSSIMHCRVDCSG
RRVASLDVDGVIKVWSFNPMQTKASSISKSPLLSLEWATKRDRLLLLGSGVGTVRLYDTEAKKNLCEIN
INDNMPRILSLACSPNGASFVCSAAAPSLTSQVDFSA PDIGSKGMNQVPGRRLLWDTKTMKQQLQFSLD
P
EPIAINCTAFNHNGNLLVTGAADGVIRLFDMQQHECAMSWRAHYGEVYSVEFSYDENTVYSIGEDGKFIQ
WNIHKSLKVSEYSLPSDATGPFVLSGYSGYKQVQVPRGRLFAFDSEGNMMLTCSATGGVIYKLGDEKV
LESCLSLGGHRAPVVTVDWSTAMDCGTCLTASMDGKIKLTLLAHKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 83.2 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

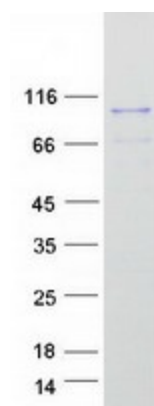
Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_054868
Locus ID:	29062
UniProt ID:	A4D1P6
RefSeq Size:	4619
Cytogenetics:	7q33
RefSeq ORF:	2241
Synonyms:	HSPC049; SORF-1; SORF1
Summary:	Functions as a negative regulator of the PI3 kinase/PI3K activity associated with endosomal membranes via BECN1, a core subunit of the PI3K complex. By modifying the phosphatidylinositol 3-phosphate/PtdInsP3 content of endosomal membranes may regulate endosome fusion, recycling, sorting and early to late endosome transport (PubMed:26783301). It is for instance, required for the delivery of cargos like BST2/tetherin from early to late endosome and thereby participates indirectly to their degradation by the lysosome (PubMed:27126989). May play a role in meiosis (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified WDR91 protein (Cat# [TP305719]). The protein was produced from HEK293T cells transfected with WDR91 cDNA clone (Cat# [RC205719]) using MegaTran 2.0 (Cat# [TT210002]).