

Product datasheet for **TP305719L**

WDR91 (NM_014149) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human WD repeat domain 91 (WDR91), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205719 protein sequence Red =Cloning site Green =Tags(s)

MAEAVERTDELVREYLLFRGFTHTLRQLDAEIKADKEKGFVRVDKIVDQLQQLMQVYDLAALRDYWSYLER
RLFSRLEDIYRPTIHKLTSLFRFYLVTIQTNRNDKAQEFAKQATELQNQA EWKDWFLPFLPSPDTN
PTFATYFSRQWADTFIVSLHNFLSVLFQCMPPVILNFDACQRTNQVQEENEVLRQKLFALQAEIHRK
KEEQQPEEEALVQHKLPYVSNMDRLGDSELAMVCSQRNASLSQSPRVGFLSSLLPQSKKSPSRLSPAQ
GPPQPQSSAKKESFGGQGTGKGDPTSGAKDGKSLLSGLATGESGWSQHRQRRQLDGHGKERKELFSTTT
Q
CAEKKPEASGPEAEPCELPHTPEVPLTRASSAGPEGGGVRPEQPFIVLGQEEYGEHHSSIMHCRVDCSG
RRVASLDVDGVIKVWSFNPMQTKASSISKSPLLSLEWATKRDRLLLLGSGVGTVRLYDTEAKKNLCEIN
INDNMPRILSLACSPNGASFVCSAAAPSLTSQVDFSA PDIGSKGMNQVPGRRLLWDTKMTKQQLQFSLD
P
EPIAINCTAFNHNGNLLVTGAADGVIRLFDMQQHECAMSWRAHYGEVYSVEFSYDENTVYSIGEDGKFIQ
WNIHKSGLVSEYSLPSDATGPFVLSGYSGYKQVQVPRGRLFAFDSEGNMMLTCSATGGVIYKLGDEKV
LESCLSLGGHRAPVVTVDWSTAMDCGTCLTASMDGKIKLTLLAHKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

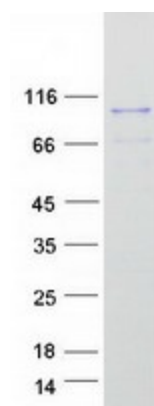
Tag:	C-Myc/DDK
Predicted MW:	83.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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]).