

Product datasheet for PH305719

WDR91 (NM_014149) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	WDR91 MS Standard C13 and N15-labeled recombinant protein (NP_054868)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205719
Predicted MW:	83.3 kDa
Protein Sequence:	>RC205719 protein sequence Red =Cloning site Green =Tags(s)

MAEAVERTDELVREYLLFRGFTHTLRQLDAEIKADKEKGFRVDKIVDQLQQLMQVYDLAALRDYWSYLER
 RLFSLREDIYRPTIHKLTSLFRFYLVYTIQTNRNDKAQEFFAKQATELQNQAEDWDFVLPFLPSPDTN
 PTFATYFSRQWADTFIVSLHNFLSVLFQCMVPVILNFDACQRTNQVQEENEVLRQKLFALQAEIHRK
 KEEQQPEEEEEALVQHKLPYVSNMDRLGDSELAMVCSQRNASLSQSPRVGFLSSLLPQSKKSPSRLSPAQ
 GPPQPQSSAKKESFGGQGTGKGDPTSGAKDGKSLLSGLATGESGWSQHRQRRLQDHGKERKELFTTTTSQ
 CAEKKPEASGPEAEPCELTHTPEVPLTRASSAGPEGGVRPEQPFIVLGQEEYGEHHSSIMHCRVDCSG
 RRVASLDVDGVKVSFNPIMQTKASSISKSPLLSLEWATKRDRLLLGSGVGTVRLYDTEAKKNLCEIN
 INDNMPRIISLACSPNGASFVCSAAAPSLTSQVDF SAPDIGSKGMNQVPGRLLWDTKTMKQQLQFSLDP
 EPIAINCTAFNHNGNLLVTGAADGVIRLFDMQQHECAMSWRAHYGEVYSVEFSYDENTVYSIGEDGKFIQ
 WNIHKSGLKVSEYSLPSDATGPFVLSGYSGYKQVQVPRGRLLAFDSEGNMILTCSATGGVIYKLGGEKV
 LESCLSLGGHRAVPVTVDWSTAMDCGTCLTASMDGKIKLTLLAHKA

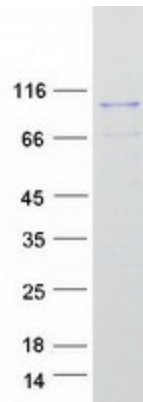
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_054868


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RefSeq Size:	4619
RefSeq ORF:	2241
Synonyms:	HSPC049; SORF-1; SORF1
Locus ID:	29062
UniProt ID:	<u>A4D1P6</u>
Cytogenetics:	7q33
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]).