

Product datasheet for **TP305719**

WDR91 (NM_014149) Human Recombinant Protein

Product data:

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|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human WD repeat domain 91 (WDR91), 20 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
KEEQQPEEEALVQHKLPYVSNMDRLGDSELAMVCSQRNASLSQSPRVGFLSSLLPQSKKSPSRLSPAQ
GPPQPQSSAKKESFGGQGTGKGDPTSGAKDGKSLLSGLATGESGWSQHRQRRQLDGHGKERKELFSTTTS
Q
CAEKKPEASGPEAEPCPELHTEPVEPLTRASSAGPEGGGVRPEQPFIVLGQEEYGEHHSSIMHCRVDCSG
RRVASLDVDGVIKVWSFNPMQTKASSISKSPLLSLEWATKRDRLLLLGSGVGTVRLYDTEAKKNLCEIN
INDNMPRILSLACSPNGASFVCSAAAPSLTSQVDFSAPDIGSKGMNQVPGRRLLWDTKTMKQQLQFSLD
P
EPIAINCTAFNHNGNLLVTGAADGVIRLFDMQQHECAMSWRAHYGEVYSVEFSYDENTVYSIGEDGKFIQ
WNIHKSLKVSEYSLPSDATGPFVLSGYSGYKQVQVPRGRLFAFDSEGNMMLTCSATGGVIYKLGDEKV
LESCLSLGGHRAVPVTVDWSTAMDCGTCLTASMDGKIKLTLLAHKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

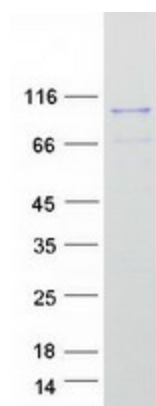
| | |
|----------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 83.2 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: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