

Datasheet for ABIN7545113  
**WDR91 Protein (AA 1-747) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	WDR91
Protein Characteristics:	AA 1-747
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WDR91 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant WDR91 Protein expressed in mammalian cells.
Sequence:	MAEAVERTDE LVREYLLFRG FTHTLRQLDA EIKADKEKGF RVDKIVDQLQ QLMQVYDLAA LRDYWSYLER RLFSRLEDIY RPTIHKLKTS LFRFYLVYTI QTNRNDKAQE FFAKQATELQ NQA EWKDFV LPFLPSPDTN PTFATYFSRQ WADTFIVSLH NFLSVLFQCM PVPVILNFDA ECQRTNQVQE ENEVLRQKLF ALQAEIHRK KEEQPPEEEE ALVQHKLPPY VSNMDRLGDS ELAMVCSQRN ASLSQSPRVG FLSSLLPQSK KSPSRLSPAQ GPPQPQSSAK KESFGGQGTK GKDPTSGAKD GKSLLSGLAT GESGWSQHRQ RRLQDHGKER KELFSTTTSQ CAEKKPEASG PEAEPCPELH TEPVEPLTRA SSAGPEGGGV RPEQPFIVLG QEEYGEHHSS IMHCRVDCSG RRVASLDVDG VIKVWSFNPI MQTKASSISK SPLLSLEWAT KRDRLLLLGS GVGTVRLYDT EAKKNLCEIN INDNMPRILS LACSPNGASF VCSAAAPSLT SQVDFSAPDI GSKGMNQVPG RLLLWDTKTM KQQLQFSLDP EPIAINCTAF NHNGNLLVTG AADGVIRLFD MQQHECAMSW RAHYGEVYSV EFSYDENTVY SIGEDGKFIQ WNIHKSGLKV SEYSLPSDAT GPFVLSGYSG YKQVQVPRGR LFAFDSEGN Y MLTCSATGGV IYKLG GDEKV LESCLSLGGH RAPVVTVDWS

## Product Details

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TAMDCGTCLT ASMDGKIKLT TLLAHKA **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

**Specificity:** If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

**Characteristics:** Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

**Purity:** > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

**Grade:** custom-made

## Target Details

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**Target:** WDR91

**Alternative Name:** WDR91 ([WDR91 Products](#))

**Background:** WD repeat-containing protein 91,FUNCTION: 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). {ECO:0000250|UniProtKB:Q7TMQ7, ECO:0000269|PubMed:26783301,

## Target Details

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ECO:0000269|PubMed:27126989}.

Molecular Weight: 83.3 kDa

UniProt: [A4D1P6](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months