

Datasheet for ABIN7545188  
**WDR43 Protein (AA 1-677) (His tag)**



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## Overview

Quantity:	1 mg
Target:	WDR43
Protein Characteristics:	AA 1-677
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WDR43 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant WDR43 Protein expressed in mammalian cells.
Sequence:	MAAGGGGSCD PLAPAGVPCA FSPHSQAYFA LASTDGHLRV WETANNRLHQ EYVPSAHLSG TCTCLAWAPA RLQAKESPQR KKRKSEAVGM SNQTDLLALG TAVGSILLYS TVKGELHSKL ISGGHDNRVN CIQWHQDSGC LYSCSDDKHI VEWNVQTCKV KCKWKGDNSS VSSLCISPDG KMLLSAGRTI KLWVLETKEV YRHFTGHATP VSSLMFTTIR PPNESQPFDG ITGLYFLSGA VHDRLLNVWQ VRSENKEKSA VMSFTVTDEP VYIDLTLSEN KEEPVKLAVV CRDGQVHLFE HILNGYCKKP LTSNCTIQIA TPGKGGKSTP KPIPIAAGF CSDKMSLLLV YGSWFQPTIE RVALNSREPH MCLVRDISNC WAPKVETAIT KVRTPVMNSE AKVLVPGIPG HHAAIKPAPP QTEQVESKRK SGGNEVSIEE RLGAMDIDTH KKGKEDLQTN SFPVLLTQGL ESNDFEMLNK VLQTRNVNLI KKTVLRMPLH TIIPLLQELT KRLQGHNSA VLMVQWLKCV LTVHASYLST LPDLVPQLGT LYQLMESRVK TFQKLSHLHG KLILLITQVT ASEKTKGATS PGQKAKLVYE EESSEESDD EIADKDESDN WDEDEESES EKDEDVEEED EDAEGKDEEN GEDRDTASEK ELNGDSDLDP ENESEEE <b>Sequence without tag. The proposed Purification-Tag is based on</b>

## Product Details

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**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.**

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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.

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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.

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

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Grade: custom-made

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## Target Details

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Target: WDR43

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Alternative Name: WDR43 ([WDR43 Products](#))

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Background: WD repeat-containing protein 43 (U3 small nucleolar RNA-associated protein 5 homolog),FUNCTION: Ribosome biogenesis factor that coordinates hyperactive transcription and ribogenesis (PubMed:17699751). Part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre-rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre-ribosomal RNA by the RNA exosome. Involved in nucleolar processing of pre-18S ribosomal RNA. Required for optimal pre-ribosomal RNA transcription by RNA polymerase I

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## Target Details

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(PubMed:17699751, PubMed:34516797). Essential for stem cell pluripotency and embryonic development. In the nucleoplasm, recruited by promoter-associated/nascent transcripts and transcription to active promoters where it facilitates releases of elongation factor P-TEFb and paused RNA polymerase II to allow transcription elongation and maintain high-level expression of its targets genes (By similarity). {ECO:0000250|UniProtKB:Q6ZQL4, ECO:0000269|PubMed:17699751, ECO:0000269|PubMed:34516797}.

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Molecular Weight: 74.9 kDa

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UniProt: [Q15061](#)

## 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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months