

Product datasheet for **SC112222**

WDR58 (THOC6) (NM_024339) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR58 (THOC6) (NM_024339) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDR58
Synonyms:	fSAP35; WDR58
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_024339, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCGAGCTGTGCCGCTCGCGGTGCCTCTGGGTCAGACAGAGGTGTTCCAGGCCTTGCAGCGGCTCC
ATATGACCATCTTCTCCCAGAGCGTCTCACCATGTGGGAAGTTTCTGGCGGCTGGCAACAATTACGGGCA
GATTGCCATCTTCAGCTTGTCTCTGCTTTGAGCTCAGAAGCCAAAGAGGAAAGTAAGAAGCCGGTGGTG
ACTTTCCAAGCCCATGATGGGCCGTCTATAGCATGGTTTCCACCGATCGACATCTGCTTAGTGCTGGGG
ATGGGGAGGTGAAGGCCTGGCTTTGGGCGGAGATGCTCAAGAAGGGCTGAAGGAGCTGTGGCGTCGTCA
GCCTCCATACAGGACCAGCCTGGAAGTGCCTGAGATCAACGCTTTGCTGCTGGTCCCAAGGAGAATTCC
CTCATCTGGCTGGGGGAGACTGTCAGTTGCACACTATGGACCTTGAAACTGGGACTTTACGAGGGTCC
TCCGGGGCCACACAGACTACATCCACTGCCTGGCACTGCGGAAAGGAGCCAGAGGTGCTGTCAGGTGG
CGAGGATGGAGCTGTTCCGACTTTGGGACCTGCGCACAGCCAAGGAGGTCCAGACGATCGAGGTCTATAAG
CACGAGGAGTGCTCGAGGCCCAACAATGGGCGCTGGATTGGATGTTTGGCAACTGATTCCGACTGGATGG
TCTGTGGAGGGGGCCAGCCCTCACCTCTGGCACCTCCGATCTCCACACCCACCACCTTCCCCAT
CCGGGCGCCACAGAAGCACGTACCTTCTACCAGGACCTGATTCTGTGAGCTGGCCAGGGCCGCTGCGTC
AACCAGTGGCAGCTGAGCGGGGAGCTGAAGGCCAGGTGCCTGGCTCCTCCCCAGGGTGTCTCAGCCTCA
GCCTCAACCAGCAGCCTGCCGCGCTGAGTGAAGGTCTGACAGCTGCAGGCAACAGCTGCCGGGTGGA
TGCTTCCACCAACCTGGGTTACCGAGCCTTCTCCCTGTCTTCTGA
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Chromatograms:	https://cdn.origene.com/chromatograms/ja1761_a05.zip
Restriction Sites:	NotI-NotI
ACCN:	NM_024339
Insert Size:	1500 bp



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OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_024339.2](#), [NP_077315.2](#)

RefSeq Size: 1393 bp

RefSeq ORF: 1026 bp

Locus ID: 79228

UniProt ID: [Q86W42](#)

Cytogenetics: 16p13.3

Domains: WD40

Gene Summary: This gene encodes a subunit of the multi-protein THO complex, which is involved in coordination between transcription and mRNA processing. The THO complex is a component of the TREX (transcription/export) complex, which is involved in transcription and export of mRNAs. A missense mutation in this gene is associated with a neurodevelopmental disorder called Beaulieu-Boycott-Innes syndrome. [provided by RefSeq, Dec 2016]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Variants 1 and 4 encode the same isoform.