

Product datasheet for SC325729

WDR58 (THOC6) (NM_001142350) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR58 (THOC6) (NM_001142350) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDR58
Synonyms:	fSAP35; WDR58
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325729 representing NM_001142350. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGGATCGCC
ATGGAGCGAGCTGTGCCCTCGCGGTGCCTCTGGGTCAGACAGAGGTGTTCCAGGCCTTGCACGGCTC
CATATGACCATCTTCTCCAGAGCGTCTCACCATGTGGGAAGTTTCTGGCGGCTGGCAACAATTACGGG
CAGATTGCCATCTTCAGCTTGTCTCTGCTTTGAGCTCAGAAGCCAAAGAGGAAAGTAAGAAGCCGGTG
GTGACTTTCCAAGCCCATGATGGGCCCGTCTATAGCATGGTTTCCACCGATCGACATCTGCTTAGTGCT
GGGGATGGGGAGGTGAAGCCTGGCTTTGGCGGAGATGCTCAAGAAGGGCTGTAAGGAGCTGTGGCGT
CGTCAGCCTCCATACAGGACCAGCCTGGAAGTGCCTGAGATCAACGCTTTGCTGCTGGTCCCAAGGAG
AATTCCCTCATCCTGGCTGGGGGAGACTGTCAGTTGCACACTATGGACCTTGAAACTGGGACTTTACG
AGGGTCCCTCCGGGGCCACACAGACTACATCCACTGCCTGGCACTGCGGGAAAGGAGCCAGAGGTGCTG
TCAGGTGGCGAGGATGGAGCTGTTTCGACTTTGGGACCTGCGCACAGCCAAGGAGGTCCAGACGATCGAG
GTCTATAAGCACGAGGAGTGCTCGAGGCCCCACAATGGGCGCTGGATTGGATGTTTGGCAACTGATTCC
GACTGGATGGTCTGTGGAGGGGGCCAGCCCTCACCTCTGGCACCTCCGATCCTCCACACCCACCACC
ATCTTCCCATCCGGGCGCCACAGAAGCACGTACCTTCTACCAGGACCTGGTCTGACAGCTGCAGGC
AACAGCTGCCGGGTGGATGTCTTCAACAACCTGGGTTACCGAGCCTTCTCCCTGTCTTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001142350
Insert Size:	891 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none"> 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:	<u>NM_001142350.1</u>
RefSeq Size:	1309 bp
RefSeq ORF:	891 bp
Locus ID:	79228
UniProt ID:	<u>Q86W42</u>
Cytogenetics:	16p13.3
MW:	32.9 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The encoded isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.</p>