

Product datasheet for **SC113924**

WDR13 (NM_017883) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	WDR13
Synonyms:	MG21
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF:	>OriGene ORF within SC113924 sequence for NM_017883 edited (data generated by NextGen Sequencing) ATGGCCGCGGTGTGGCAGCAAGTCTTAGCAGTGGACGCGAGGTACAACGCGTACCGCACA CCAACGTTTTCCACAGTTTCGGACGCAAGTATATCCGCCGCGCAGCCAGCTGCTGCGGGAG AATGCCAAGGCTGGGCACCCCCAGCGCTGCGTCGGCAGTACCTGAGGCTTCGGGGGAG CTGCTGGGCCAGCGCTACGGGCCCCCTCTCCGAGCCAGGCACTGCTCGTGCCTATAGCAAC AGCATCGTCCGAGTAGCCGCACTACTCTTGACCGCATGGAGGACTTTGAGGATGATCCT CGGGCCCTGGGGGCCCCGTTGGGCACCGTCTGTTCTGTCAGCAGAGGCTCCTACCAGCTGCAG GCGCAGATGAACCGTGCCGTCTATGAGGACAGGCCCCCTGGCAGCGTGGTGCCACGTC GCAGCAGAGGCAAGTCGGGCCATGGCCGGGACACGCTACTGAGCGAGAAGTATGCCTTT GCGGGCATGTATCATGTTTTGACCAAGCAGTGGATGAGGCACTCCAAGGGTGGCGCTTC GCGCAATGATGACCGACACCGCTGGCCTGCTGCTCACTCGAGGCAAGTATCCTCTGTC CAGCTGGTGCCTGCCCCACCCAGTGTTCGCGTGCTACGGGGCCACACCCGTGGTGTG TCCGACTTCGCTGGTCCCTCTCCAATGACATCCTGCTGTCACCTCACTGGATGCCACC ATGCGCATCTGGGCTCTGAGGATGGTGGTGCATCCGAGAGATCCCTGACCCGATAGC GCTGAAGTGTCTGCTGACCTTCCAGCCTGTCAACAACAACCTCACTGTGGTGGGGAAC GCCAAGCACAAAGTGCATGTATGAACATCTCCACAGGCAAGAAAGTGAAGGGGGGCTCC AGCAAGCTGACAGGCGGTGCTCTGCTCTGCTCTTTGATGCCCTGGCCGGTGTCTG GCGGGTGTGACCGTGGCAGTGTCTCTCTTCTCTTTGATATGGCCACAGGGAAGCTG ACCAAAGCCAAAGCGTTTGGTGGTGCATGAGGGGAGCCCTGTGACCAAGTATCAGCCCG TCCTGGGTGACCGCGAGGCGCGGATCCCTCACTGCTCATCAATGCTTGCCTCAACAAG TTGCTGCTCTACAGGTTGGTAGACAACGAGGGGACCTGCAGCTGAAGAGAAGTTCCCC ATCGAGCAGAGCTCACATCCTGTGCGCAGCATCTTCTGTCCTCATGTCCTTCGCCAG GGGGCTGCGTGGTGGCAGGAGTGAAGACATGTGCGTGCACTTCTTTGATGTGGAGCGG GCGGCCAAGGCTGTGTCAACAAGTGCAGGGCCACAGTGCACCTGTGCTTGTATGTCAGC TTCAACTGCGACGAGAGCCTACTGGCTCCAGTGACGCCAGCGCATGGTATCGTCTGG AGGCGGGAGCAGAAGTAG Clone variation with respect to NM_017883.4
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_017883 unedited TCCGATTTTGTAAACAGCACTTCACTATAGGGCGGCCGGAATTGCGACGAGGTAACACCC GGGTGGGAGTTTCGTGACATCTCCGGCGCGGAGGGAAGTGCATGTCTATGGCAATGGTCGCC TGGTGAAGGGACGGAAGTAGATCCCTTCGCTCGGGACGCTCACATTCCAGGCCCTTGTC CTGCAGGCTGCCGCGGGCGGACACGCCAGAGGAGGAGCGGGGAATGGCCGCGGTGTGG CAGCAAGTCTTAGCAGTGGACGCGAGGTACAACGCGTACCGCACACCAACGTTTCCACAG TTTTCGACGCAAGTATATCCGCCGCGCAGCCAGCTGCTGCGGGAGAATGCCAAGGCTGGG CACCCCCCAGCGCTGCGTCGGCAGTACCTGAGGCTTCGGGGGACAGTGTGGGCCAGCGC TACGGGCCCCCTCTCCGAGCCAGGCAAGTGTCTGCTATAGCAACAGCATCGTCCGCAAGT AGCCGCACTACTCTTGACCGCATGGAGGACTTTGAGGATGATCCTCGGGCCCTGGGGGCC CGTGGGCACCGTCTGTTCTGTACGAGAGGCTCCTACCAGCTGCAGGCGCAGATGAACCGT GCCGTCTATGAGGACAGGCCCCCTGGCAGCGTGGTGCCACGTCAGCAGCAGAGGCAAGT CGGGCCATGGCCGGGGACAGTCACTGAGCGAGAAGTATGCCTTTGCGNGCATGTATCAT GTTTTTGACAGCAGTGGATGAGGCAAGTCCAAAGGTGCGCTTCGCCAATGATGACCGA CACCGNCTGGGCTGCTGCTCACTCGACGGCAGCATCTTCTGTGCCAGCTTGTGCCTGCC CCACCACAGTGTTCGCGTGCTACGGGGCCACACCCCTGGTGTCTTCGACTCCGCTGGT CCTNTNCAATGACATNCTCGTGCCACCTNACTGGATGCACATGCGCACTGGGCCTCTGA GGATGTCGCTCA
Restriction Sites:	NotI-NotI
ACCN:	NM_017883
Insert Size:	1850 bp

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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_017883.3</u> , <u>NP_060353.2</u>
RefSeq Size:	2108 bp
RefSeq ORF:	1458 bp
Locus ID:	64743
UniProt ID:	<u>Q9H1Z4</u>
Cytogenetics:	Xp11.23
Domains:	WD40
Gene Summary:	This gene encodes a member of the WD repeat protein family. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by Gly-His and Trp-Asp (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. A similar protein in mouse is thought to be a negative regulator of the pancreatic beta cell proliferation. Mice lacking this gene exhibit increased pancreatic islet mass and higher serum insulin levels, and are mildly obese. [provided by RefSeq, Nov 2016] Transcript Variant: This variant (1) encodes the longer protein (isoform 1). Variants 1 and 4 encode the same isoform.