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Product datasheet for SC328625

WDR13 (NM_001166426) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR13 (NM_001166426) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDR13
Synonyms:	MG21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328625 representing NM_001166426. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGAGGACTTTGAGGATGATCCTCGGGCCCTGGGGGCCCGTGGGCACCGTCGTTCTGTCAGCAGAGGC TCCTACCAGCTGCAGGCGCAGATGAACCGTGCCGTCTATGAGGACAGGCCCCCTGGCAGCGTGGTGCCC ACGTCAGCAGCAGAGGCAAGTCGGGCCATGGCCGGGGACACGTCACTGAGCGAGAACTATGCCTTTGCG GGCATGTATCATGTTTTTGACCAGCACGTGGATGAGGCAGTCCCAAGGGTGCGCTTCGCCAATGATGAC CGACACCGCCTGGCCTGCTGCTCACTCGACGGCAGCATCTCCCTGTGCCAGCTGGTGCCTGCCCCACCC ACAGTGCTTCGCGTGCTACGGGGCCACACCCGTGGTGTCTCCGACTTCGCCTGGTCCCTCTCCAATGAC ATCCTCGTGTCCACCTCACTGGATGCCACCATGCGCATCTGGGCCTCTGAGGATGGTCGCTGCATCCGA GAGATCCCTGACCCCGATAGCGCTGAACTGCTCTGCTGCACCTTCCAGCCTGTCAACAACAACCTCACT GTGGTGGGGAACGCCAAGCACAACGTGCATGTCATGAACATCTCCACAGGCAAGAAAGTGAAGGGGGGC TCCAGCAAGCTGACAGGCCGTGTCCTTGCTCTGTCCTTTGATGCCCCTGGCCGGCTGCTCTGGGCGGGT GATGACCGTGGCAGTGTCTTCTCTTTCCTCTTTGATATGGCCACAGGGAAGCTGACCAAAGCCAAGCGT TTGGTGGTGCATGAGGGGAGCCCTGTGACCAGCATCTCAGCCCGGTCCTGGGTCAGCCGCGAGGCCCGG GATCCCTCACTGCTCATCAATGCTTGCCTCAACAAGTTGCTGCTCTACAGGGTGGTAGACAACGAGGGG ACCCTGCAGCTGAAGAGAAGCTTCCCCATCGAGCAGAGCTCACATCCTGTGCGCAGCATCTTCTGTCCC CTCATGTCCTTCCGCCAGGGGGCCTGCGTGGTGACGGGCAGTGAGGACATGTGCGTGCACTTCTTTGAT GTGGAGCGGGCGGCCAAGGCTGCTGTCAACAAGCTGCAGGGCCACAGTGCACCTGTGCTTGATGTCAGC TTCAACTGCGACGAGAGCCTACTGGCCTCCAGTGACGCCAGCGGCATGGTCATCGTCTGGAGGCGGGAG CAGAAGTAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI

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ACCN:	NM_001166426
Insert Size:	1182 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).
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:	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_001166426.1
RefSeq Size:	2485 bp
RefSeq ORF:	1182 bp
Locus ID:	64743
UniProt ID:	Q9H1Z4
Cytogenetics:	Xp11.23
MW:	43.1 kDa
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 (2) contains different sequence for part of its 5' UTR which results in translation initiation at a downstream start codon, compared to variant 1. The encoded protein (isoform 2) is shorter than isoform 1. Variants 2 and 5 encode the same isoform.