

Product datasheet for SC327477

WDR51A (POC1A) (NM_001161580) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR51A (POC1A) (NM_001161580) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDR51A
Synonyms:	PIX2; SOFT; WDR51A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC327477 representing NM_001161580. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGGCTGCGCCCTGCGCGGAGGACCCCTCGCTGGAAAGGCATTTTAAGGGCCACCGAGATGCAGTTACC
 TGTGTGGACTTCAGTATCAACACAAAGCAGCTGGCCAGTGGCTCCATGGACTCATGCCTCATGGTCTGG
 CACATGAAGCCGAGTCACGCGCCTACCGCTTCACTGGCCACAAGGATGCCGTACCTGTGTGAATTC
 TCTCCTTCGGGACACCTGCTTCCGGCTCCCGAGACAAGACTGTCCGCATCTGGGTACCCAATGTC
 AAAGTGAGTCCACTGTGTTTCGTGCACACACAGCCACAGTGAGGAGTGCCACTTCTGCAGTGATGGC
 CAGTCCTTCGTGACAGCCTCTGACGACAAGACAGTCAAAGTGTGGGCAACTCATCGCCAGAAATTCCTG
 TTCTCCCTGAGCCAGCATATCAACTGGGTCCGCTGTGCCAAGTTCTCCCCGACGGGCGGCTCATCGTG
 TCTGCCAGTGATGACAAGACTGTTAAGCTGTGGGACAAGAGCAGCCGGGAATGTGTCCACTCGTATTGT
 GAGCATGGCGGCTTTGTACCTATGTGGACTTCCACCCAGTGGGACGTGCATTGCCGCTGCCGGCATG
 GACAACACAGTGAAGGTGTGGGACGTGCGGACTCACCGGCTGCTGCAGCATTATCAGTTGCACAGTGCA
 GCAGTGAACGGGCTCTTTCCACCCGTCGGGAACTACCTGATCACAGCCTCCAGTGACTCAACCTG
 AAGATCCTGGACCTGATGGAGGGCCGGCTGCTCTACACTCCACGGGCATCAGGACCAAGCCCACT
 GTTGCCCTTTCAAGAACGGGGAGTATTTGCTTCTGGAGGCTCTGATGAACAAGTGATGGTTTGAAG
 AGTAACCTTTGATATTGTTGATCATGGAGAAGTCACGAAAGTGCCGAGGCCCCAGCCACACTGGCCAGC
 TCCATGGGGAATCTGACAGTCTCATTCTGGAGCAGCGTTGACACTGACAGAAGACAAGCTGAAGCAG
 TGTCTGGAGAACCAGCAGCTAATCATGCAGAGAGCAACACCA**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001161580


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Insert Size:	1080 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:	<u>NM_001161580.1</u>
RefSeq Size:	2069 bp
RefSeq ORF:	1080 bp
Locus ID:	25886
UniProt ID:	<u>Q8NBT0</u>
Cytogenetics:	3p21.2
Protein Families:	Druggable Genome
MW:	39.8 kDa
Gene Summary:	POC1 proteins contain an N-terminal WD40 domain and a C-terminal coiled coil domain and are part of centrosomes. They play an important role in basal body and cilia formation. This gene encodes one of the two POC1 proteins found in humans. Mutations in this gene result in short stature, onychodysplasia, facial dysmorphism, and hypotrichosis (SOFT) syndrome. [provided by RefSeq, Sep 2012] Transcript Variant: This variant (2) lacks an in-frame exon in the 3' coding region, compared to variant 1. The encoded isoform (2) is shorter compared to isoform 1.