

## Product datasheet for **SC329562**

### WDR51B (POC1B) (NM\_001199777) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** WDR51B (POC1B) (NM\_001199777) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** WDR51B  
**Synonyms:** CORD20; PIX1; TUWD12; WDR51B  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC329562 representing NM\_001199777.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCTATGGAATTTCAAGCCACATGCTAGAGCTTACAGATATGTGGGTCACAAGGATGTTGTAACCAGC
GTGCAGTTTTCTCCACATGGAACTTATTGGCGTCTGCCTCACGAGACAGAACCCTGAGACTCTGGATT
CCTGATAAGAGAGGAAAATTCTCAGAATTTAAAGCTCATAACAGCTCCAGTTCGAAGTGTAGACTTTTCA
GCTGATGGCCAGTTTCTAGCTACAGCTTCTGAAGACAAATCCATAAAAGTATGGAGCATGTATCGCCAG
CGCTTCTGTATTCCTTGTATCGACATACACACTGGGTACGCTGTGCCAAATTTTACCCGATGGAAGA
CTAATTGTGTCATGTAGTGAGGATAAACTATTTAAATTTGGGATACCACAAATAAGCAATGTGTTAAT
AACTTCTCAGATTCGGTTGGATTGCAAATTTTGTGGACTTTAACCCTAGTGGTACATGCATAGCTTCA
GCAGGTTCTGATCAAAGTGTGAAAGTCTGGGATGTAAGAGTGAACAAATTAACACAGCATTACCAAGTT
CACAGCGGTGGAGTTAATTGCATATCATTCCATCCTTCGGGTAACATCTCATCACAGCTTCTTCAGAT
GGTACCCTTAAGATTCTGGACCTCTTAGAAGGAAGGCTCATCTATACACTTCAAGGACATACGGGACCT
GTCTTTACTGTTTCATTTTCAAAGGTGGAGAGCTATTTGCATCAGGAGGTGCAGACACACAGGTCTTA
TTATGGAGGACTAACTTTGATGAATTGCATTGTAAAGTCTTACCAAAAGAAATCTCAAAGATTACAT
TTTGATTCACCACCACATCTTCTTGATATCTACCAAGAACCACATCCCCATGAGGAAAAAGTTGAG
ACTGTAGAAAATTAATCCAAGCTTGAGGTAATCGATTTGCAGATCTCTACTCCCCTGTTATGGATATC
CTTTCTTTTATTCTACCACAACAACAGAAACCAGTGGTAGGACTCTGCCAGACAAGGGTGAAGAGGCC
TGTGGATATTTCTGAACCCTTCTTAATGTCACCAGAATGTTTGCCAACAACCACGAAAAAGAAAACA
GAAGACATGAGTGACCTCCCCTGTGAAAGTCAAAGGAGCATACCTCTCGTGTGACTGATGCTTTAGAG
CATATTATGGAACAACCTCAATGTTTTGACACAGACTGTTTCAATCTTGGAGCAGCGACTGACTTTGACA
GAGGATAAGCTGAAAGACTGCCTTGAAATCAGCAAAGCTTTTCAGTGTGTCCAACAGAAAAGCTGA
  
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001199777  
**Insert Size:** 1311 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001199777.1</a></u>
<b>RefSeq Size:</b>	3232 bp
<b>RefSeq ORF:</b>	1311 bp
<b>Locus ID:</b>	282809
<b>UniProt ID:</b>	<u><a href="#">Q8TC44</a></u>
<b>Cytogenetics:</b>	12q21.33
<b>MW:</b>	49.1 kDa
<b>Gene Summary:</b>	<p>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. Mutation in this gene result in autosomal-recessive cone-rod dystrophy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and uses a downstream start codon, compared to variant 1. The encoded isoform (b) is shorter at the N-terminus, compared to isoform a.</p>