

## Product datasheet for **SC313654**

### WDR51B (POC1B) (BC026080) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	WDR51B (POC1B) (BC026080) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDR51B
Synonyms:	FLJ14923; FLJ41111; TUWD12; WD repeat domain 51B
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for BC026080, the custom clone sequence may differ by one or more nucleotides ATGGCCTCAGCCACGGAGACCCCGTTCTGGAGCGTTATTTCAAAGGCCACAAAGCTGCG ATCACCTCCTGGACCTCAGCCCCAACGGCAAGCAACTTGCTACTGCTTCTGGGATACC TTTCTCATGCTATGGAATTTCAAGCCACATGCTAGAGCTTACAGATATGTGGGTACAAG GATGTTGTAACCAGCGTGCAGTTTTCTCCACATGGAACTTATTGGCGTCTGCCTCACGA GACAGAACCGTGAGACTCTGGATTCCTGATAAGAGAGGAAAATTCTCAGAATTTAAAGCT CATACAGCTCCAGTTCGAAGGTAGACTTTTCAGCTGATGGCCAGTTTCTAGCTACAGCT TCTGAAGACAAAATCCATAAAAGTATGGAGCATGTATCGCCAGCGCTTCTGTATTCCTTG TATCGACATACACTGGGTACGCTGTGCCAAATTTTCACCCGATGGAAGACTAATTGTG TCATGTAGTGAGGATAAACTATTAATAATTTGGGATACCACAAATAGCAATGTGTTAAT AACTTCTCAGATTCGGTTGGATTTGCAAATTTTGTGGACTTTAACCCCTAGTGGTACATGC ATAGCTTCAGCAGGTTCTGATCAAAGTGTGAAAGTCTGGGATGTAAGAGTGAACAAATTA CTACAGCATTACCAAGTTCACAGCGGTGGAGTTAATTGCATATCATTCCATCCTTCGGGT AACTATCTCATCACAGCTTCTTCAGATGGTACCCTTAAGATTCTGGACCTCTTAGAAGGA AGGCTCATCTATACACTCAAGGACATACGGGACCTGTCTTTACTGTTTCATTTTCAAAA GGTGGAGAGCTATTTGCATCAGGAGGTGCAGACACACAGGTCTTATTATGGAGGACTAAC TTTGATGAATTGCATTGTAAGGTCTTACCAAAAGAAATCTCAAAAGATTACATTTTGAT TCACCACCACATCTTCTGATATCTACCCAAGAACCACATCCCCATGAGGAAAAAGTT GAGACTGTAGAAATTAATCCAAAGCTTGAGGTAATCGATTTGCAGATCTCTACTCCCCT GTTATGGATATCCTTTCTTTGATTCTACCACAACAACAGAAACCAGTGGTAGGACTCTG CCAGACAAGGGTGAAGAGGCTGTGGATATTTCTTGAACCCTTCCTTAATGTCACCAGAA TGTTTGCCAACAACCACGAAAAAGAAAACAGAAGACATGAGTGACCTCCCCTGTGAAAGT CAAAGGAGCATACCTCTCGCTGTGACTGATGCTTTAGAGCATATTATGGAACAACTCAAT GTTTTGACACAGACTGTTTCAATCTTGGAGCAGCGACTGACTTTGACAGAGGATAAGCTG AAAGACTGCCTTGAAAATCAGCAAAAGCTTTTTCAGTGCTGTCCAACAGAAAAGC
Restriction Sites:	Please inquire
ACCN:	BC026080



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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>OTI Annotation:</b>	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.
<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="#">BC026080.2</a>, <a href="#">AAH26080.1</a></u>
<b>RefSeq Size:</b>	1839 bp
<b>RefSeq ORF:</b>	1437 bp
<b>Locus ID:</b>	282809
<b>Cytogenetics:</b>	12q21.33
<b>Domains:</b>	WD40
<b>Gene Summary:</b>	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]