

Product datasheet for RC232723

WDR51B (POC1B) (NM_001199777) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR51B (POC1B) (NM_001199777) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	POC1B
Synonyms:	CORD20; PIX1; TUWD12; WDR51B
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC232723 representing NM_001199777 Red=Cloning site Blue=ORF Green=Tags(s)

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GCCGCGATCGCC

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Protein Sequence: >RC232723 representing NM_001199777
 Red=Cloning site Green=Tags(s)

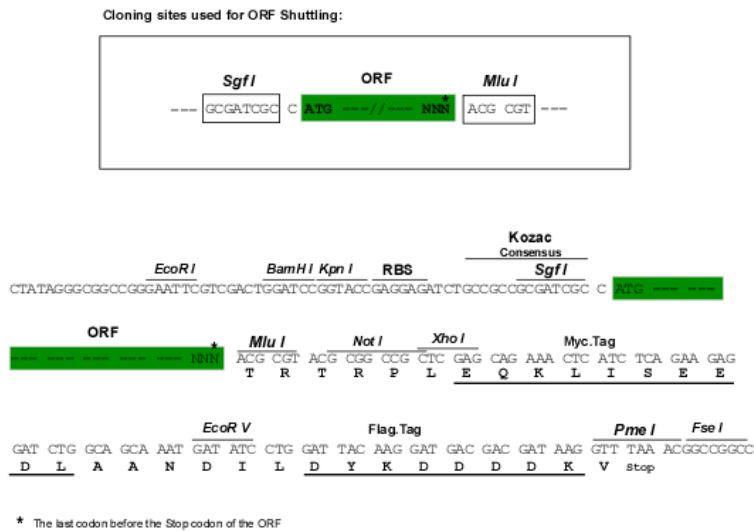
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 SDSVGFANFVDFNPSGTCIASAGSDQTVKVDVVRVKNLLQHYQVHSGGVNCISFHPSGNYLITASSDGL
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 PHLLDIYPRTPHPHEEKVETVEINPKLEVIDLQISTPPVMDILSFDSTTTTETSGRTPDKGEEACGYFL
 NPSLMSPECLPTTTKKKTEDMSDLPESQRSIPLAVTDALEHIMEQLNVLTTQTVSILEQRLTLTEDKCLKD
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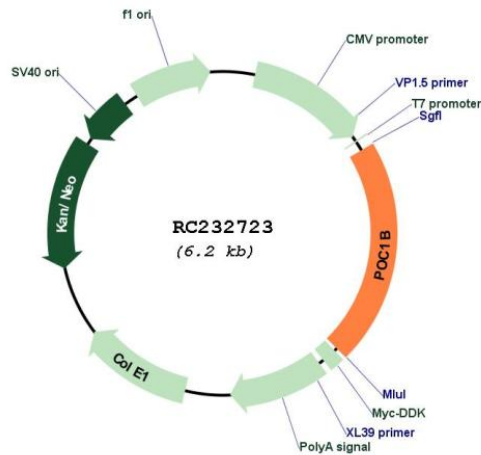
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001199777

ORF Size:	1308 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_001199777.2
RefSeq Size:	3232 bp
RefSeq ORF:	1311 bp
Locus ID:	282809
UniProt ID:	Q8TC44
Cytogenetics:	12q21.33
MW:	49.6 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. Mutation in this gene result in autosomal-recessive cone-rod dystrophy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]