

Product datasheet for **RC224322**

WDR19 (NM_025132) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	WDR19
Synonyms:	ATD5; CED4; DYF-2; FAP66; IFT144; NPH13; ORF26; Oseg6; PWDMP; SRTD5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC224322 representing NM_025132
Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RC224322 representing NM_025132

Red=Cloning site Green=Tags(s)

MKRIFSLLEKTLWLGAPIQFAWQKTSIGNYLAVTGADYIVKIFDRHGQKRSEINLPGNCVAMDWDKGDVLA
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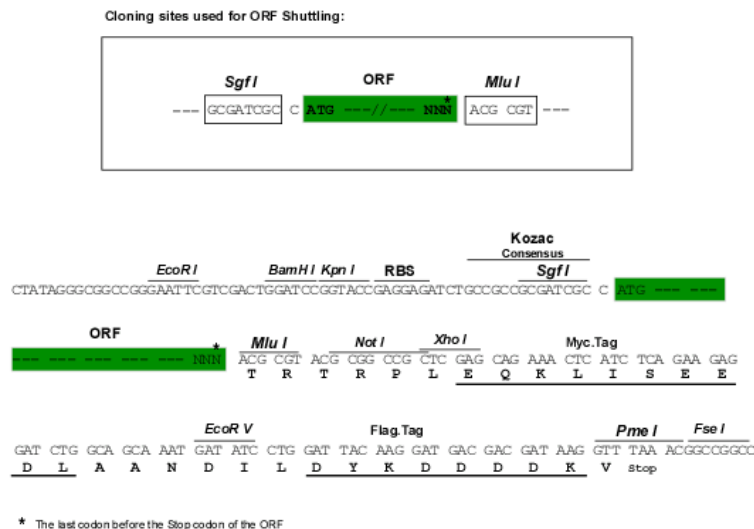
Chromatograms:

https://cdn.origene.com/chromatograms/mk8116_h10.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_025132

ORF Size:

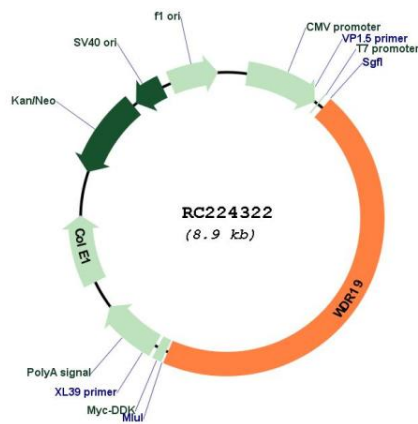
4026 bp

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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_025132.4
RefSeq Size:	4534 bp
RefSeq ORF:	4029 bp
Locus ID:	57728
UniProt ID:	Q8NEZ3
Cytogenetics:	4p14
Domains:	WD40
MW:	151.4 kDa

Gene Summary:

The protein encoded by this gene is a member of the WD (tryptophan-aspartic acid) repeat family, which is a large family of structurally-related proteins known to participate in a wide range of cellular processes. Each WD repeat typically contains about 40 amino acids that are usually bracketed by glycine-histidine and tryptophan-aspartic acid (WD) dipeptides. This protein contains six WD repeats, three transmembrane domains, and a clathrin heavy-chain repeat. Mutations in this gene have been described in individuals with a wide range of disorders affecting function of the cilium. These disorders are known as ciliopathies, and include Jeune syndrome, Sensenbrenner syndromes, Senior-Loken syndrome, combined or isolated nephronophthisis (NPHP), and retinitis pigmentosa (RP). Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015]

Product images:



Circular map for RC224322