

Product datasheet for RC213637

WDR9 (BRWD1) (NM_033656) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR9 (BRWD1) (NM_033656) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BRWD1
Synonyms:	C21orf107; DCAF19; N143; WDR9; WRD9
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC213637 representing NM_033656 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGC**C

ATGGCGGAGCCGTCGTCGCCCGACGCCCGGTGCCTCTCATCGAGTCGGAGCTGACTTCCTTATCGCCC
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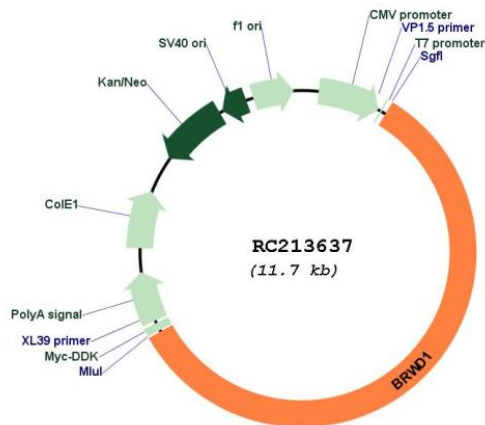
Protein Sequence: >RC213637 representing NM_033656
 Red=Cloning site Green=Tags(s)

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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Plasmid Map:

ACCN:

NM_033656

ORF Size:

6807 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.

RefSeq: [NM_033656.4](#)

RefSeq Size: 17906 bp

RefSeq ORF: 6810 bp

Locus ID: 54014

UniProt ID: [Q9NSI6](#)

Cytogenetics: 21q22.2

Domains: BROMO, WD40

MW: 257.2 kDa

Gene Summary: This gene encodes a member of the WD repeat protein family. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-asp (GH-WD) residues which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes including cell cycle progression, signal transduction, apoptosis, and gene regulation. This protein contains 2 bromodomains and multiple WD repeats. This gene is located within the Down syndrome region-2 on chromosome 21. Alternative splicing of this gene generates multiple transcript variants encoding distinct isoforms. In mouse, this gene encodes a nuclear protein that has a polyglutamine-containing region that functions as a transcriptional activation domain which may regulate chromatin remodelling and associates with a component of the SWI/SNF chromatin remodelling complex.[provided by RefSeq, Jun 2011]