

## Product datasheet for **RG217768**

### WDR9 (BRWD1) (NM\_001007246) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** WDR9 (BRWD1) (NM\_001007246) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** BRWD1  
**Synonyms:** C21orf107; DCAF19; N143; WDR9; WRD9  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG217768 representing NM\_001007246  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGAGCCGTCGTCGCCGACGCCCGGTGCCTCTCATCGAGTCGGAGCTGACTTCCTTATCGCCC  
GGTACCTATCGGCGGGCCCGTGTGCGAGAGCGGCCAGGTGCTGGTGCAGGAGCTGGAGCAGTACCAGTT  
GTTGCCGAAGAGATTGGACTGGGAGGCAACGAGCACAACAGGAGCTACGAGGAGTTGGTCTTGCCAAAT  
AAGCATGTGGCTCCTGATCATCTTTTGAAATCTGCCAGCGCATCGGTCTATGTTGGATAAAGAAATTC  
CACCCAGTATTTCAAGAGTCACTCTTTACTTGGTGCAGGAAGGCAGTCTTTGCTACGTACAGCAAAGG  
TACCTTAATT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG217768 representing NM\_001007246  
Red=Cloning site Green=Tags(s)  
MAEPSSARRPVPLIESELYFLIARYLSAGPCRRRAQVLVQELEQYQLLPKRLDWEHNEHNSYEELVLSN  
KHVAPDHLLQICQRIGPMLDKEIPPSISRVTSLGAGRQSLLRATAKGTLI

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

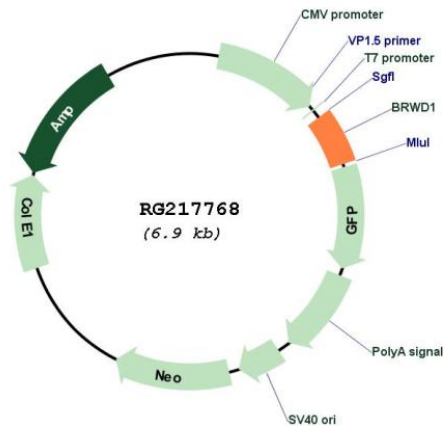


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001007246

ORF Size: 360 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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001007246.2</a></u> , <u><a href="#">NP_001007247.1</a></u>
<b>RefSeq Size:</b>	2653 bp
<b>RefSeq ORF:</b>	363 bp
<b>Locus ID:</b>	54014
<b>UniProt ID:</b>	<u><a href="#">Q9NSI6</a></u>
<b>Cytogenetics:</b>	21q22.2
<b>Gene Summary:</b>	<p>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-aspartate (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]</p>