

## Product datasheet for **RG203335**

### PHD finger protein 6 (PHF6) (NM\_032335) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PHD finger protein 6 (PHF6) (NM_032335) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PHD finger protein 6
Synonyms:	BFLS; BORJ; CENP-31
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203335 representing NM_032335 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCAAGCTCAGTTGAACAGAAAAAGGGCCTACAAGACAGCGCAAATGTGGCTTTTGAAGTCAAATA  
GAGACAAGGAATGTGGACAGTTACTAATATCTGAAAACCAAGGTGGCAGCGCACCATAAGTGCATGCT  
CTTTTCATCTGCTTTGGTATCATCACACTCTGATAATGAAAGTCTTGGTGGATTTTCTATTGAAGATGTC  
CAAAGGAAATTAAGAGGCACGAAGCTGATGTGTTCTTTGTGCCATTGCTCTGGAGCAACAATTGGTT  
GTGATGTGAAAACATGTCACAGGACATACCACTACCACTGTGCATTGCATGATAAAGCTCAAATACGAGA  
GAAACCTTACAAGGAATTTACATGGCCTATTGCCGAAAACACAAGAAAAGTGCACATAACTCCGAAGCA  
GCTGATTTAGAAGAAAGTTTAAATGAACATGAACTGGAGCCCTCATCACCTAAAAGTAAAAAGAAAAGTC  
GCAAAGGAAGGCCAAGAAAACTAATTTTAAAGGGCTGTGAGAAGATACCAGGTCCACATCCTCCCATGG  
AACAGATGAAATGGAAAGTAGTTCCTATAGAGATAGGTCTCCACACAGAAGCAGCCCTAGTGACACCAGG  
CCTAAATGTGGATTTGCCATGTAGGGGAGGAAGAAAATGAAGCAGGAGAAAAGTGCATATATTTAATG  
CCAAGAAGGCAGCTGCCATTATAAGTGCATGTTGTTTCTTCTGGCACAGTCCAGCTCACAAACATC  
AAGAGCAGAATTTGGAGACTTTGATATTAAGTGTACTTCAGGAGATTAACGAGGAAAAAGAAATGGTC  
TGTAGTTTTATATTTGTTATGCAACATTACACTTGATTGCTGCTTTAAATTTAGAGTACATCCCAAAT  
TTATCCAGTCATCAGAAAATTTAAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG203335 representing NM\_032335  
 Red=Cloning site Green=Tags(s)

MSSSVEQKKGPTQRQKCGFCKSNRDKECGQLLISENQKVAHHKCMLFSSALVSSHSDNESLGGFSIEDV  
 QKEIKRGTKLMCSLCHCPGATIGCDVKTCHRTHYHICALHDKAQIREKPSQGIYMA YCRKHKTAHNSEA  
 ADLEESFNEHELEPSSPKSKKSRKGRPRKTNFKGLSEDTSTSSHGTDEMESSYRDRSPHRSSPSDTR  
 PKCGFCHVGEENEARGKLHIFNAKAAAHYKCMLFSSGTVQLTTTSRAEFGDFDIKTVLQEIKRGRMV  
 CSFYICYATLHLICCFKFRVHPKFIQSSENK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_032335

**ORF Size:** 936 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\\_032335.1](#)

**RefSeq Size:** 1236 bp

**RefSeq ORF:** 939 bp

**Locus ID:** 84295

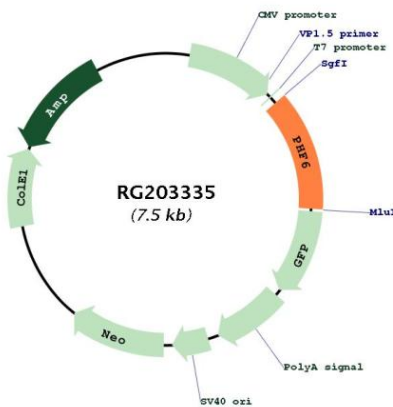
**UniProt ID:** [Q8IWS0](#)

**Cytogenetics:** Xq26.2

**Protein Families:** Druggable Genome, Transcription Factors

**Gene Summary:** This gene is a member of the plant homeodomain (PHD)-like finger (PHF) family. It encodes a protein with two PHD-type zinc finger domains, indicating a potential role in transcriptional regulation, that localizes to the nucleolus. Mutations affecting the coding region of this gene or the splicing of the transcript have been associated with Borjeson-Forssman-Lehmann syndrome (BFLS), a disorder characterized by cognitive disability, epilepsy, hypogonadism, hypometabolism, obesity, swelling of subcutaneous tissue of the face, narrow palpebral fissures, and large ears. Alternate splicing results in multiple transcript variants, encoding different isoforms. [provided by RefSeq, Jun 2010]

### Product images:



Circular map for RG203335