

Product datasheet for **RG218127**

PHD finger protein 6 (PHF6) (NM_001015877) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHD finger protein 6 (PHF6) (NM_001015877) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PHF6
Synonyms:	BFLS; BORJ; CENP-31
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG218127 representing NM_001015877 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCAAGCTCAGTTGAACAGAAAAAGGGCCTACAAGACAGCGCAAATGTGGCTTTTGAAGTCAAATA
GAGACAAGGAATGTGGACAGTTACTAATATCTGAAAACAGAAAGTGGCAGCGCACCATAAGTGCATGCT
CTTTTCATCTGCTTTGGTATCATCACACTCTGATAATGAAAGTCTTGGTGGATTTTCTATTGAAGATGTC
CAAAGGAAATTTAAAGAGGCACGAAGCTGATGTGTTCTTTGTGCCATTGTCCTGGAGCAACAATTGGTT
GTGATGTGAAAACATGTCACAGGACATACCACTACCACTGTGCATTGCATGATAAAGCTCAAATACGAGA
GAAACCTTCACAAGGAATTTACATGGTCTATTGCCGAAAACACAAGAAAAGTGCACATAACTCCGAAGCT
GATTTAGAAGAAAAGTTTTAATGAACATGAACTGGAGCCCTCATCACCTAAAAGTAAAAAGAAAAGTCGCA
AAGGAAGGCCAAGAAAAGTAAATTTAAAGGGCTGTCAGAAGATACCAGGTCCACATCCTCCCATGGAAC
AGATGAAATGGAAGTAGTTCTATAGAGATAGGTCTCCACACAGAAGCAGCCCTAGTGACACCAGGCCCT
AAATGTGGATTTTGCCATGTAGGGGAGGAAGAAAATGAAGCAGGAGAAAAGTGCATATATTTAATGCCA
AGAAGGCAGCTGCCATTATAAGTGCATGTTGTTTTCTTGGCAGTCCAGCTCACAACAACATCAAG
AGCAGAAATTTGGAGACTTTGATATTTAACTGTACTTCAGGAGATTAACGAGGAAAAAGAAATGAAATGT
ACACTTTGCAGTCAGCCTGGTGCTACTATTGGATGTGAAATAAAAGCCTGTGTTAAGACTTACCATTACC
ACTGTGGAGTACAAGACAAGCTAAATACATTGAAAATATGTACGAGGAAATTTACAAACTATACTGTAA
AAATCATAGTGGAAATGATGAGAGAGATGAAGAAGATGAGGAACGAGAGAGTAAAAGCCGAGGAAAAGTA
GAAATTGATCAGCAACAATACTCAGCAGCAACTTAATGGAAAC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG218127 representing NM_001015877
 Red=Cloning site Green=Tags(s)

MSSSVEQKKGPTRQRKCGFCKSNRDKECGQLLISENQKVAHHKCMLFSSALVSSHSDNESLGGFSIEDV
 QKEIKRGTKLMCSLCHCPGATIGCDVKTCHRTYHYHCALHDKAQIREKPSQGIYMVYCRKHKTAHNSEA
 DLEESFNEHELEPSSPKSKKSRKGRPRKTNFKGLSEDTRSTSSHGTDEMESSYRDRSPHRSSPSDTRP
 KCGFCHVGEENEARGKLHIFNAKAAAHHYKCMLFSSGTVQLTTTSRAEFGDFDIKTVLQEIKRGRMKC
 TLCSPGATIGCEIKACVKTYHYHCGVQDKAKYIENMSRGIYKLYCKNHSNGNDERDEEDEERESKSRGKV
 EIDQQQLTQQQLNGN

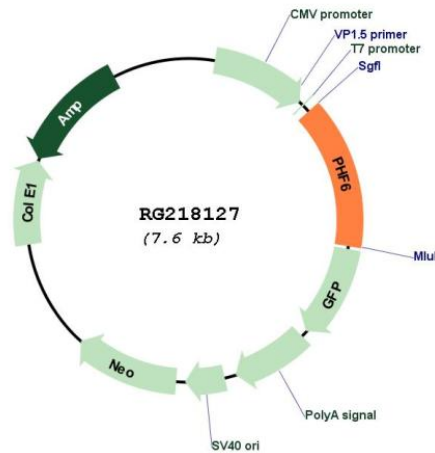
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001015877

ORF Size:	1095 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_001015877.2
RefSeq Size:	4442 bp
RefSeq ORF:	1098 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]