

Product datasheet for SC127378

PHD finger protein 6 (PHF6) (NM_032458) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHD finger protein 6 (PHF6) (NM_032458) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHD finger protein 6
Synonyms:	BFLS; BORJ; CENP-31
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127378 sequence for NM_032458 edited (data generated by NextGen Sequencing)

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ATGTCAAGCTCAGTTGAACAGAAAAAGGGCCTACAAGACAGCGCAAATGTGGCTTTTGT
AAGTCAAATAGAGACAAGGAATGTGGACAGTTACTAATATCTGAAAACAGAAAGGTGGCA
GCGCACCATAAAGTCATGCTCTTTTCATCTGCTTTGGTATCATCACA CTGATAATGAA
AGTCTTGGTGGATTTTCTATTGAAGATGTCCAAAAGGAAATTAAGAGGCACGAAGCTG
ATGTGTTCTTTGTGCCATTGTCCTGGAGCAACAATTGGTTGTGATGTGAAAACATGTCAC
AGGACATACCACTACCACTGTGCATTGCATGATAAAGCTCAAATACGAGAGAAACCTTCA
CAAGGAATTTACATGGTCTATTGCCGAAAACACAAGAAAAGTGCACATAACTCCGAAGCT
GATTTAGAAGAAAGTTTTAATGAACATGAACTGGAGCCCTCATCACCTAAAAGTAAAAAG
AAAAGTCGCAAAGGAAGGCAAGAAAACTAATTTTAAAGGGCTGTCAGAAGATACCAGG
TCCACATCCTCCCATGGAACAGATGAAATGGAAAGTAGTTCCTATAGAGATAGGTCTCCA
CACAGAAGCAGCCCTAGTGACACCAGGCCTAAATGTGGATTTTGGCATGTAGGGGAGGAA
GAAAATGAAGCAGCAGGAAAACTGCATATATTTAATGCCAAGAAGGCAGCTGCCATTAT
AAGTGCAATGTTGTTTTCTTCTGGCACAGTCCAGCTCACAACAACATCAAGAGCAGAATTT
GGAGACTTTGATATTAAGTGTACTTCCAGGAGATTAACGAGGAAAAAGAAATGAAATGT
ACACTTTGCAGTCAGCCTGGTGTACTATTGGATGTGAAATAAAGCCTGTGTTAAGACT
TACCATTACCACTGTGGAGTACAAGACAAGCTAAATACATTGAAAATATGTCACGAGGA
ATTTACAACTATACTGTAAAAATCATAGTGAAATGATGAGAGAGATGAAGAAGATGAG
GAACGAGAGAGTAAAAGCCGAGGAAAAGTAGAAATTGATCAGCAACAACCTAACTCAGCAG
CAACTAATGGAAACTAG

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Clone variation with respect to NM_032458.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_032458 unedited GTATACGACTCACTATTAGGCGGCCGACATTCGCACGAAGAAACAACCTCCGGCGACA GAACCCCGCTCTCAGGCACTGCTGGAGAACCGAGACCGACTTCTTTCTTTTACCCTCAT TGGCGCTTCTCTCCTGCAGTCCGCTCTGGGCCCTGCCGATTTCTTGAGACTTAAAGTG GCATTCTAAAGGCAATTTAAAAATCATGTCAAGCTCAGTTGAACAGAAAAAGGGCTAC AAGACAGCGCAAATGTGGCTTTTGTAAAGTCAAATAGAGACAAGGAATGTGGACAGTTACT AATATCTGAAAACCGAAGGTGGCAGCGCACCATAAAGTGCATGCTTTTTTTCATGCTTT GGTATCATCACACTCTGATAATGAAAGTCTTGGTGGATTTTCTATTGAAGATGTCCAAA GGAAATTAAGAGAGGCACGAAGCTGATGTGTTCTTTGTGCCATTGCTCTGGAGCAACAAT TGGTTGTGATGTGAAAACATGTCACAGGACATACCACTACCCTGTCATTGCATGATAA AGCTCAAATACGAGAGAAACCTTACAGGAATTTACATGGTCTATTGCCGAAAACCAAGA AAAGTGCACATAACTCCGAAGCTGATTAGAAGAAAGTTTTAATGAACATGAACTGGAGCC CTCATCACCTAAAAGAAAAAAGTTCGCAAAGGAAGGCCAAGAANAACCTAATTNTAAG AGGGCTGTGAGAATACAGGTCCACATCCTCCCATGGAACAGATGAATGGGAAAGGTA GTTCTATAGAGAATAGTCTTCAACAGAAACAGCCCTAATGACACCCAGCCTAATGGGG GAATTTCCGATGTAGGGAGGAAGAAATGAGCCGAAGGAAACTGCTATTTTTATGCC AGAAGCAGCCGGCCTTAAAGGCCCGGGGGTTTTTTTGGGGCCAAACAGCTAAACACC TCAGAACGAATTGGGAA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_032458 unedited TACTATGGACGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTGAAAGGCATAAGTCATTTATTGAATGAATAGTATATGCAAGAATACCAATAAA AGGAAACTAATACTACAACTACAATTTTAAAAATAAGCCAATATAACAGGAACAAAAT ATACATAACATGAGAGGAATGTTTGTATTTTGACCCATAATGCATTCCTTATCTTTACAA TTAACCTAAATGTCTGTTAAAACAAAAGTATACCTTGGTCTAACTTCAGCGCTTTTTT TAAAAAGCAACAACACTTTAAAACACTTTTTCTTTTGTCTTGAATATTTGAAATTCAC ACATTTGTTCAAGTACACAGATTCTGATTCAATAGCAATCTACAGATCTTGGTATCTCT TAATATCTTGAGTAGCATGTACTTCTGAGCAAGTACTATCTGAAATCTAAAAGTCTGA TTCTTGAATAAAATTTACTTCAGTTGGGGTTTTTAATAACTTGAGATGAAAGTAAAAT TCACCCCTGCCCCCTCCCCAGGAACAAGAGCTCTTCTTAAAAGTATAGAACTCAA GTCTATCTTTCTACTCTAAAGAACATTTCTACTAACATTTCTGGTAAGGCAATAAATGC TCCAGAATAATCTTCAATATACGCTTGCAAAGATTACACTGTTTAAATCNNTTACCAA ACCNACCCNAAAAGGAAAAAGAAGANAAGACGCTTAAAAATTCAGCTAAATATGCATAA AGACAGTAACGGCAGTATTTTTGAATGATGTAAGTTAAATACTATCAATAAGGCATGCT ATTAAGTACGTTAGACTTAAAAAGTACGAAATCCTGCTTAGGCCATTCTAATTAAC ACATGGATTCTACAAAAGATAAGCTCCTGAACTAACTGCATTTTAAATGTAGGCCTT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_032458
Insert Size:	4000 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_032458.2](#), [NP_115834.1](#)

RefSeq Size: 4772 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-Forsman-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]

Transcript Variant: This variant (2, also called the 'PHF6b' variant) differs in the 3' UTR compared to variant 1. Both variants 1 and 2 encode the same isoform (1).