

Product datasheet for **SC320379**

PHD4 (P4HTM) (NM_177938) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHD4 (P4HTM) (NM_177938) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHD4
Synonyms:	EGLN4; HIDEA; HIFPH4; P4H-TM; PH-4; PH4; PHD4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_177938.2
 GTGCCATGGCGGCAGCGGCGGTGACAGGCCAGCGGCTGAGACCGCGGCGGCCGAGGAGG
 CCTCGAGGCCGAGTGGGCGCCGACAGCCACTGCCAGGCTCAGGCGGCGCCGGCTGG
 GCGACGGCGAGGACGCACCGGTGCGTCCGCTGTGCAAGCCCCGCGGCATCTGCTCGCGCG
 CCTACTTCTGGTGTGATGGTGTTCGTGCACCTGTACCTGGGTAACGTGCTGGCGCTGC
 TGCTCTTCGTGCACTACAGCAACGGCGACGAAAGCAGCGATCCCCGGCCCCAACACCGTG
 CCCAGGGCCCCGGGCCAGGCCACCTTAGGTCCCCTCACCCGGTGGAGGGCATCAAGG
 TGGGGCACGAGCGTAAGGTCCAGCTGGTCACCGACAGGGATCACTTCATCCGAACCCCTCA
 GCCTCAAGCCGCTGCTCTTCGAAATCCCCGGCTTCTGACTGATGAAGAGTGTGGCTCA
 TCATCCATCTGGCGCAGATGAAGGGGTTACAGCGCAGCCAGATCCTGCCTACTGAAGAGT
 ATGAAGAGGCAATGAGCACTATGCAGGTCAGCCAGCTGGACCTTCCGGCTGCTGGACC
 AGAACCGTGATGGGCACCTTCAGCTCCGTGAGGTTCTGGCCAGACTCGCTGGGAAATG
 GATGGTGGATGACTCCAGAGAGCATTAGGAGATGTACGCCGCGATCAAGGCTGACCCTG
 ATGGTGACGGAGTGTGAGTCTGCAGGAGTTCTCAACATGGACCTTCGGGACTTCCACA
 AGTACATGAGGAGCCACAAGGCAGAGTCCAGTGAGCTGGTGCGGAACAGCCACCATACT
 GGCTCTACCAGGGTGAGGGTGCCACCACATCATGCGTGCCATCCGCCAGAGGGTCTGC
 GCCTCACTCGCCTGTGCGCTGAGATCGTGGAGCTCAGCGAGCCGCTGCAGTTGTTTCGAT
 ATGGTGAGGGGGGCCACTACCATGCCCACGTGGACAGTGGCCTGTGTACCCAGAGACCA
 TCTGCTCCCATACCAAGCTGGTAGCCAACGAGTCTGTACCCTTCGAGACCTCCTGCCGGC
 AAGTATCTCCCAACTGGGGGCTGCCTTCAATCCTCAGACCAGGAACCCCATGACACAGG
 CACAGCCCTGCACTGTGGCGTGCCTTGGCATGGGGCCAGGAGATCACTGGGTTATCC
 CGGTAAGCCCCCTGGGAGCATCCACAACCTGGGACCTGCTCAGTGCCCCCTGCCTTACA
 GCTACATGACAGTGTGTTTTATTTGAACAACGTCAGTGGTGGGGCGAGACTGTTTTCC
 CTGTAGCAGATAACAGAACCTACGATGAAATGAGTCTGATTCAGGATGAGGTGGACCTCC
 GTGACACACGGAGGCACTGTGACAAGGGAACCTGCGTGTCAAGCCCCAACAGGGCACAG
 CAGTCTTCTGGTACAACCTACCTGCCTGATGGGCAAGGTTGGTGGGTGACGTAGACGACT
 ACTCGCTGCACGGGGGCTGCCTGGTCACGCGCGGCACCAAGTGGATTGCCAACAACTGGA
 TTAATGTGGACCCAGCCGAGCGCGCAAGCGCTGTTCCAACAGGAGATGGCCCGCCTTG
 CCCGAGAAGGGGGCACCGACTCACAGCCGAGTGGGCTCTGGACCGGGCTACCGCGATG
 CGCGCGTGGAACTCTGAGGGAAGAGTTAGCCCCGTTCCAGCCGCGGGTCCGACGTTGC
 CCAAGATCAGGGGTCCGGCTGTCTTCTGTCTGCTGCAGACTAAAGGTCTGGCCAAATGT
 CTTGCCCCACCCGCGCAGCCGATACGCGCAGTTCTATATTATGTTATTTATTGTG
 TACTGACTCCATCTGCCCGTCAATAAAAAACCACAAGTTTCGAAAAAAAAAAAAAAAAA
 AAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_177938

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_177938.2, NP_808807.2</u>
RefSeq Size:	2294 bp
RefSeq ORF:	1692 bp
Locus ID:	54681
UniProt ID:	<u>Q9NXG6</u>
Cytogenetics:	3p21.3
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>The product of this gene belongs to the family of prolyl 4-hydroxylases. This protein is a prolyl hydroxylase that may be involved in the degradation of hypoxia-inducible transcription factors under normoxia. It plays a role in adaptation to hypoxia and may be related to cellular oxygen sensing. Alternatively spliced variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (3) contains two additional segments in the coding region, compared to variant 1. The resulting isoform (c) is longer, compared to isoform a.</p>