

# Recombinant Human PHF7 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** PHF7-3483H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | PHF7 MS Standard C13 and N15-labeled recombinant protein (NP_057567) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | <p>Spermatogenesis is a complex process regulated by extracellular and intracellular factors as well as cellular interactions among interstitial cells of the testis, Sertoli cells, and germ cells. This gene is expressed in the testis in Sertoli cells but not germ cells. The protein encoded by this gene contains plant homeodomain (PHD) finger domains, also known as leukemia associated protein (LAP) domains, believed to be involved in transcriptional regulation. The protein, which localizes to the nucleus of transfected cells, has been implicated in the transcriptional regulation of spermatogenesis. Alternate splicing results in multiple transcript variants of this gene.</p> |
| <b>Molecular Mass</b>   | 43.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | <p>MKTVKEKKECQRLRKSATRRVTQRPSSGPVCWLCLREPGDPEKLGEFLQKDNIS<br/> VHYFCLILSSKLPQRGQSNRGFHHGFLPEDIKKEAARASRKICFVCKKKGAAINCQKD<br/> QCLRNHFLPCGQERGCLSQFFGEYKSFCDKHRPTQNIQHGHVGEESCILCCEDLSQ<br/> QSVENIQSPCCSQAIYHRKCIQKYAHTSAKHFFKCPQCNNRKEFPQEMLRMGIHIPD<br/> RDAAWELEPGAFSDLYQRYQHCDAPICLYEQGRDSFEDEGRWCLILCATCGSHGT</p>                                                                                                                                                                                                                                                                                                                                                                                   |

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HRDCSSLRSNSKKWECEECSPAAATDYIPENSGDIPCCSSTFHPEEHFCRDNTLEE  
 NPGLSWTDWPEPSLLEKPESSRGRRSYSWRSKGVITNSCKKSKTRTRPLEQKLIS  
 EEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** PHF7 PHD finger protein 7 [ Homo sapiens (human) ]

**Official Symbol** PHF7

**Synonyms** PHF7; PHD finger protein 7; HSPC226; NYD SP6; testis development protein NYD-SP6; HSPC045; NYD-SP6; MGC26088; DKFZp434L1850;

**Gene ID** 51533

**mRNA Refseq** NM\_016483

**Protein Refseq** NP\_057567

**UniProt ID** Q9BWX1

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**SDS-PAGE**

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