

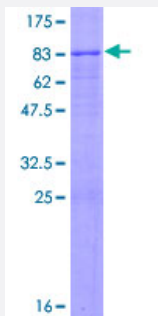
Full-Length

PHF7 (Human) Recombinant Protein (P01)

Catalog # H00051533-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PHF7 full-length ORF (NP_057567.3, 1 a.a. - 381 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKTVKEKKECQRLRKSATRRVTQRKPSSGPVCWLCLREPGDPEKLGEFLQKDNISVHYFCLIL
SSKLPQQRGQSNRGFHGFLPEDIKKEAARASRKICFVCKKKGAAINCQKDQCLRNHLP CGQERG
CLSQFFGEYKSFCDKHRPTQNIQHGHVGEESCILCCEDLSQQSVENIQSPCCSQAIYHRKCIQKYA
HTSAKHFFKCPQCNNRKEFPQEMLRMGIHIPDRDAAWLEPGAFSDLYQRYQHCDAPICLYEQG
RDSFEDEGRWCLILCATCGSHGTHRDCSSLRSNSKKWECEECSPAATDYIPENSGDIPCCSST
FHPEEHFCRDNTLEENPGLSWTDWPEPSLLEKPESSRGRRSYSWRSGVVRITNSCKKSK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

70.2

Interspecies Antigen Sequence

Mouse (85); Rat (81)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PHF7

Entrez GeneID[51533](#)**GeneBank Accession#**[NM_016483.4](#)**Protein Accession#**[NP_057567.3](#)**Gene Name**

PHF7

Gene Alias

DKFZp434L1850, HSPC045, HSPC226, MGC26088, NYD-SP6

Gene Description

PHD finger protein 7

Gene Ontology[Hyperlink](#)**Gene Summary**

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. In the testis, this gene is expressed in Sertoli cells but not germ cells. However, this gene is not expressed in a patient who exhibited spermatogenic arrest at the spermatocyte stage. Spermatogenic arrest is an interruption of germ cell differentiation that may result in oligospermia or azoospermia. The proteins encoded by this gene contain plant homeodomain (PHD) finger domains, also known as leukemia associated protein (LAP) domains, believed to be involved in transcriptional regulation. Thus this protein, which localizes to the nucleus of transfected cells, has been implicated in the transcriptional regulation of spermatogenesis. Two protein isoforms are encoded by transcript variants of this gene. [provided by RefSeq]

Other Designations

-