

Recombinant Human PHF1

Cat. No. PHF1-30328TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human PHF1 with N terminal proprietary tag; Predicted MWt 36.52 kDa including the tag.
Species	Human
Source	Wheat Germ
ProteinLength	99 amino acids
Description	This gene encodes a Polycomb group protein. The protein is a component of a histone H3 lysine-27 (H3K27)-specific methyltransferase complex, and functions in transcriptional repression of homeotic genes. The protein is also recruited to double-strand breaks, and reduced protein levels results in X-ray sensitivity and increased homologous recombination. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Weight	36.520kDa inclusive of tags
Tissue specificity	Highest levels in heart, skeletal muscle, and pancreas, lower levels in brain, placenta, lung, liver and kidney.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	AQPPRLSRSGASSLWDPASPAPTS GPRPRLWEGQDVLARWTDGLLYLGTIKKVDS AREVCLVQFEDDSQFLVLWKDISPAALPGEELLCCVCRSETVVP
Sequence Similarities	Contains 2 PHD-type zinc fingers.

GENE INFORMATION

Gene Name	PHF1 PHD finger protein 1 [Homo sapiens]
Official Symbol	PHF1
Synonyms	PHF1; PHD finger protein 1; MTF2L2;
Gene ID	5252
mRNA Refseq	NM_002636
Protein Refseq	NP_002627
MIM	602881
Uniprot ID	O43189
Chromosome Location	6p21.3

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Function

metal ion binding; sequence-specific DNA binding transcription factor activity; zinc ion binding;

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