

**PHC1 Blocking Peptide (N-Term)**  
**Synthetic peptide**  
**Catalog # BP21886a****Specification**

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**PHC1 Blocking Peptide (N-Term) - Product Information**

Primary Accession [P78364](#)  
Other Accession [Q64028](#)

**PHC1 Blocking Peptide (N-Term) - Additional Information**

**Gene ID** 1911

**Other Names**

Polyhomeotic-like protein 1, hPH1, Early development regulatory protein 1, PHC1, EDR1, PH1

**Target/Specificity**

The synthetic peptide sequence is selected from aa 328-342 of HUMAN PHC1

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**PHC1 Blocking Peptide (N-Term) - Protein Information**

**Name** PHC1

**Synonyms** EDR1, PH1

**Function**

Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility. Required for proper control of cellular levels of GMNN expression.

**Cellular Location**

Nucleus

**PHC1 Blocking Peptide (N-Term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

#### **PHC1 Blocking Peptide (N-Term) - Images**

#### **PHC1 Blocking Peptide (N-Term) - Background**

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#### **PHC1 Blocking Peptide (N-Term) - References**

Gunster M.J.,et al.Mol. Cell. Biol. 17:2326-2335(1997).  
Scherer S.E.,et al.Nature 440:346-351(2006).  
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.  
Satijn D.P.E.,et al.Mol. Cell. Biol. 17:4105-4113(1997).  
Levine S.S.,et al.Mol. Cell. Biol. 22:6070-6078(2002).