

Datasheet for ABIN7554922  
**PHC1 Protein (AA 1-1004) (His tag)**



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## Overview

Quantity:	1 mg
Target:	PHC1
Protein Characteristics:	AA 1-1004
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PHC1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant PHC1 Protein expressed in mammalian cells.
Sequence:	<p>METESEQNSN STNGSSSSGG SSRPQIAQMS LYERQAVQAL QALQRQPNAQ QYFHQFMLQQ          QLSNAQLHSL AAVQQATIAA SRQASSPNTS TTQQQTTTTQ ASINLATTSA AQLISRSQSV          SSPSATTLTQ SVLLGNTTSP PLNQSQAQMY LRPQLGNLLQ VNRTLGRNVP LASQLILMPN          GAVAAVQQEV PSAQSPGVHA DADQVQNLAV RNQASAAQGP QMQGSTQKAI PPGASPVSSL          SQASSQALAV AQASSGATNQ SLNLSQAGGG SGNSIPGSMG PGGGGQAHGG LGQLPSSGMG          GGSCPRKGTG VVQPLPAAQT VTVSQQSQTE AESAAAKKAE ADGSGQQNVG MNLTRTATPA          PSQTLISSAT YTIQPHSLI QQQQIHLQQ KQVVIQQQIA IHHQQQFQHR QSLLHTATH          LQLAQQQQQQ QQQQQQQQP QATTLTAPQP PQVPPTQQVP PSQSQQQAQT LVVQPMLQSS          PLSLPPDAAP KPIPIQSKP PVAPIKPPQL GAAKMSAAQ PPPHIPVQVW GTRQPGTAQA          QALGLAQLAA AVPTSRGMPG TVQSGQAHLA SSPPSSQAPG ALQECPPTLA PGM TLAPVQG          TAHVVKGGAT TSSPVVAQVP AAFYMQSVHL PGKPQTLAVK RKADSEERD DVSTLGSMLP          AKASPVAESP KVMDEKSSLG EKAESVANVN ANTPSSELVA LTPAPSVPPP TLAMVSRQMG</p>

## Product Details

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DSKPPQAIVK PQLTHIIIEG FVIQEGAEPF PVGCSQLLKE SEKPLQTGLP TGLTENQSGG  
PLGVDSPSAE LDKKANLLKC EYCGKYAPAE QFRGSKRFCS MTCAKRYNVS CSHQFRLKRK  
KMKEFQEANY ARVRRRGPRR SSSDIARAKI QGKCHRGQED SSRGSDNSSY DEALSPTSPG  
PLSVRAGHGE RDLGNPNTAP PTPELHGINP VFLSSNPSRW SVEEVYEFIA SLQGCQEIAE  
EFRSQEIDGQ ALLLLKEEHL MSAMNIKLGK ALKICAKINV LKET **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

## Target Details

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Target: PHC1

Alternative Name: PHC1 ([PHC1 Products](#))

Background: Polyhomeotic-like protein 1 (hPH1) (Early development regulatory protein 1),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,

## Target Details

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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. {ECO:0000269|PubMed:23418308}.

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Molecular Weight: 105.5 kDa

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UniProt: [P78364](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months