

## Recombinant Human PHC2 cell lysate

**Cat. No.** PHC2-1342HCL    **Lot. No.** (See product label)

### SPECIFICATION

#### Product Overview

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>    | In <i>Drosophila melanogaster</i> , the Polycomb group (PcG) of genes are part of a cellular memory system that is responsible for the stable inheritance of gene activity. PcG proteins form a large multimeric, chromatin-associated protein complex. The protein encoded by this gene has homology to the <i>Drosophila</i> PcG protein polyhomeotic (Ph) and is known to heterodimerize with EDR1 and colocalize with BMI1 in interphase nuclei of human cells. The specific function in human cells has not yet been determined. Two transcript variants encoding different isoforms have been found for this gene. |
| <b>Size</b>           | 100 ul                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage Buffer</b> | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Applications</b>   | Western Blot;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

### GENE INFORMATION

|                        |                                                                           |
|------------------------|---------------------------------------------------------------------------|
| <b>Gene Name</b>       | PHC2 polyhomeotic homolog 2 ( <i>Drosophila</i> ) [ <i>Homo sapiens</i> ] |
| <b>Official Symbol</b> | PHC2                                                                      |

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|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>            | PHC2; polyhomeotic homolog 2 (Drosophila); early development regulator 2 (homolog of polyhomeotic 2) , EDR2, polyhomeotic like 2 (Drosophila); polyhomeotic-like protein 2; HPH2; polyhomeotic 2; polyhomeotic-like 2; early development regulatory protein 2; early development regulator 2 (homolog of polyhomeotic 2); PH2; EDR2; MGC163502; |
| <b>Gene ID</b>             | <a href="#">1912</a>                                                                                                                                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>         | <a href="#">NM_004427</a>                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>      | <a href="#">NP_004418</a>                                                                                                                                                                                                                                                                                                                       |
| <b>MIM</b>                 | <a href="#">602979</a>                                                                                                                                                                                                                                                                                                                          |
| <b>UniProt ID</b>          | <a href="#">Q8IXK0</a>                                                                                                                                                                                                                                                                                                                          |
| <b>Chromosome Location</b> | 1p34.3                                                                                                                                                                                                                                                                                                                                          |
| <b>Function</b>            | DNA binding; metal ion binding; protein binding; zinc ion binding;                                                                                                                                                                                                                                                                              |