

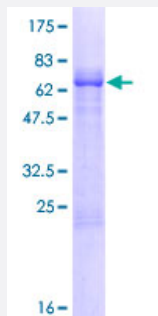
Full-Length

PHC2 (Human) Recombinant Protein (P01)

Catalog # H00001912-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human PHC2 full-length ORF (NP_004418.2, 1 a.a. - 323 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MTSGNGNSASSIAGTAPQNGENKPPQAMKPQLTHVIEGFVIQEGAEPFPVGRSSLLVGNLKKKY
AQGFLPEKLPQQDHTTTTSEMEEPLYQESKEEGAPLKLKCELCGRVDFAYKFKRSKRFCMA
CAKRYNVGCTKRVGLFHSDRSKLQKAGAATHNRRRASKASLPPLTKDTKKQPTGTVP LSVTAAL
QLTHSQEDSSRCS DNSSYEEPLSPISASSSTSRRRQGGQRDLELPDMHMRDLVGMGHHFLPSEP
TKWNVEDVYEFIRSLPGCQEIAEEFRAQEIDGQALLLLKEDHLMSAMNIKLGPA LKYARISMLKDS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

62.2

Interspecies Antigen Sequence

Mouse (97); Rat (98)

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 — PHC2

Entrez GeneID[1912](#)**GeneBank Accession#**[NM_004427.2](#)**Protein Accession#**[NP_004418.2](#)**Gene Name**

PHC2

Gene Alias

EDR2, HPH2, MGC163502, PH2

Gene Description

polyhomeotic homolog 2 (Drosophila)

Omim ID[602979](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

In Drosophila melanogaster, 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 Drosophila 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. [provided by RefSeq]

Other Designations

OTTHUMP00000004292|OTTHUMP00000004294|early development regulator 2 (homolog of polyhomeotic 2)|early development regulator 2-like|polyhomeotic 2|polyhomeotic-like 2

Disease

- [Tobacco Use Disorder](#)