

Product datasheet for RC222530L3

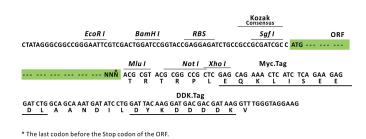
PHC1 (NM_004426) Human Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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| Product Type: | Expression Plasmids |
|------------------------------|--|
| Product Name: | PHC1 (NM_004426) Human Tagged Lenti ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | PHC1 |
| Synonyms: | EDR1; HPH1; MCPH11; RAE28 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| E. coli Selection: | Chloramphenicol (34 ug/mL) |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC222530). |
| Restriction Sites: | Sgfl-Mlul |
| Cloning Scheme: | Cloning sites used for ORF Shuttling: Sgf 1 ORF Mlu I GCG ATC GCC ATG // NNŇ ACG CGT |



ACCN: ORF Size: NM_004426 3012 bp



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| PHC1 (NM_004426) Human Tagged Lenti ORF Clone – RC222530L3 | |
|--|--|
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <u>More info</u> |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| Components: | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water). |
| Reconstitution Method: | Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C. |
| RefSeq: | <u>NM 004426.2</u> , <u>NP 004417.2</u> |
| RefSeq Size: | 5206 bp |
| RefSeq ORF: | 3015 bp |
| Locus ID: | 1911 |
| UniProt ID: | <u>P78364</u> |
| Cytogenetics: | 12p13.31 |
| Domains: | SAM |
| Protein Families: | ES Cell Differentiation/IPS, Stem cell - Pluripotency |
| MW: | 105.4 kDa |
| Gene Summary: | This gene is a homolog of the Drosophila polyhomeotic gene, which is a member of the Polycomb group of genes. The gene product is a component of a multimeric protein complex that contains EDR2 and the vertebrate Polycomb protein BMH1. The gene product, the EDR2 protein, and the Drosophila polyhomeotic protein share 2 highly conserved domains, named homology domains I and II. These domains are involved in protein-protein interactions and may mediate heterodimerization of the protein encoded by this gene and the EDR2 protein. [provided by RefSeq, Jul 2008] |

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