

## Recombinant Human APC Protein, His-tagged

Cat. No. APC-200H Lot. No. (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant Human APC Protein (Thr2635-Val2843) with N-His tag was expressed in E. coli.   |
| <b>Species</b>          | Human  |
| <b>Source</b>           | E.coli   |
| <b>ProteinLength</b>    | Thr2635-Val2843  |
| <b>Description</b>      | <p>This gene encodes a tumor suppressor protein that acts as an antagonist of the Wnt signaling pathway. It is also involved in other processes including cell migration and adhesion, transcriptional activation, and apoptosis. Defects in this gene cause familial adenomatous polyposis (FAP), an autosomal dominant pre-malignant disease that usually progresses to malignancy. Mutations in the APC gene have been found to occur in most colorectal cancers. Disease-associated mutations tend to be clustered in a small region designated the mutation cluster region (MCR) and result in a truncated protein product.</p> |
| <b>Form</b>             | Freeze-dried powder  |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 26 kDa<br>Accurate Molecular Mass: 33 kDa  |
| <b>Purity</b>           | > 90%  |

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|                       |  |
|-----------------------|--|
| <b>Applications</b>   | Positive Control; Immunogen; SDS-PAGE; WB.   |
| <b>Stability</b>      | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.   |
| <b>Storage Buffer</b> | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.  |
| <b>Reconstitution</b> | Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.  |

## GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | APC adenomatous polyposis coli [ Homo sapiens (human) ]   |
| <b>Official Symbol</b> | APC   |
| <b>Synonyms</b>        | APC; adenomatous polyposis coli; adenomatosis polyposis coli; adenomatous polyposis coli protein; DP2; DP2.5; DP3; PPP1R46; protein phosphatase 1; regulatory subunit 46; deleted in polyposis 2.5; adenomatosis polyposis coli tumor suppressor; protein phosphatase 1, regulatory subunit 46; GS; BTPS2 |
| <b>Gene ID</b>         | 324   |
| <b>mRNA Refseq</b>     | NM_000038   |
| <b>Protein Refseq</b>  | NP_000029   |

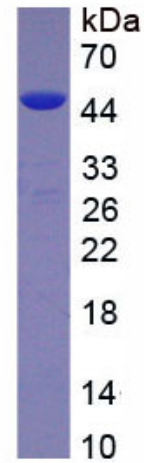
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