

## Recombinant Human APC, His-tagged

Cat. No. APC-27359TH Lot. No. (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant fragment, corresponding to amino acids 2687-2843 of Human APC with N-terminal His tag; Predicted MWt 18 kDa.   |
| <b>Species</b>          | Human  |
| <b>Source</b>           | E.coli   |
| <b>ProteinLength</b>    | 2687-2843 a.a.   |
| <b>Description</b>      | 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. Disease-associated mutations tend to be clustered in a small region designated the mutation cluster region (MCR) and result in a truncated protein product. |
| <b>Conjugation</b>      | HIS  |
| <b>Form</b>             | Lyophilised:Reconstitute with 94 µl aqua dest  |
| <b>Storage buffer</b>   | Preservative: None<br>Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium hydrogen phosphate, 10mM Sodium chloride, pH 4.5   |
| <b>Storage</b>          | Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.  |

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**Sequences of amino acids** SEKANPNIKDSKDNQAKQNVGNGSVPMRTVGLNRLNSFI QVDAPDQKGTEIKPG  
QNNPVPVSETNESSIVERTPFSS SSSSKHSSPSGTVAARVTPFNYNPSPRKSSADS  
TSARP SQIPTPVNNTKKRDSKTDSTESSGTQSPKRHSGSYLVTS V

## GENE INFORMATION

**Gene Name** [APC adenomatous polyposis coli \[ Homo sapiens \]](#)

**Official Symbol** [APC](#)

**Synonyms** APC; adenomatous polyposis coli; adenomatosis polyposis coli; adenomatous polyposis coli protein; DP2; DP2.5; DP3; PPP1R46; protein phosphatase 1; regulatory subunit 46;

**Gene ID** [324](#)

**mRNA Refseq** [NM\\_000038](#)

**Protein Refseq** [NP\\_000029](#)

**MIM** [611731](#)

**Uniprot ID** [P25054](#)

**Chromosome Location** 5q21-q22

**Pathway** Apoptosis, organism-specific biosystem; Apoptotic cleavage of cellular proteins, organism-specific biosystem; Apoptotic executionphase, organism-specific biosystem; Basal cell carcinoma, organism-specific biosystem; Basal cell carcinoma, conserved biosystem;

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**Function**

beta-catenin binding; NOT cadherin binding; gamma-catenin binding; microtubule binding; microtubule plus-end binding;

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