

Recombinant Human APC, His-tagged

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

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 2687-2843 of Human APC with N-terminal His tag; Predicted MWt 18 kDa.
Species	Human
Source	E.coli
ProteinLength	2687-2843 a.a.
Description	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.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 94 µl aqua dest
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium hydrogen phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Sequences of amino acids

SEKANPNIKDSKDNQAKQNVGNGSVPMRTVGLENRLNSFI QVDAPDQKGTEIKPG
QNNPVPVSETNESSIVERTPFSS SSSSKHSSPSGTVAARVTPFNYNPSPRKSSADS
TSARP SQIPTPVNNNTKKRDSKTDSTESSGTQSPKRHSGSYLVTS 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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