

Recombinant Human APC protein, His-T7-tagged

Cat. No. APC-02H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human APC protein(Accession#P25054)(Ala2634~Val2843) was expressed in E. coli with two N-terminal Tags, His-tag and T7-tag.
Species	Human
Source	E.coli
ProteinLength	Ala2634~Val2843
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. 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.
Form	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Molecular Mass	26.2kDa
AA Sequence	MGSSHHHHHSSGLVPRGSHMASMTGGQQMGRGSEFATNGAESKTLIYQMAPAV SKTEDVWVRIEDCPINPRSGRSPTGNTPPVIDSVSEKANPNIKDSKDNQAKQNVG NGSVPMRTVGLENRLNSFIQVDAPDQKGTEIKPGQNNPVPVSETNESSIVERTPFSS

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SSSSKHSSPSGTVAARVTPFNYPSPRKSSADSTSARPSQIPTPVNNNTKKRDSKT
DSTESSGTQSPKRHSGSYLVTSV

Endotoxin <1.0 EU per µg protein as determined by the LAL method.

Purity >95%

Applications SDS-PAGE; WB; ELISA; IP.

Stability The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

Storage Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

Reconstitution Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name [APC](#)

Official Symbol [APC](#)

Synonyms DP2; DP2.5; DP3; FAP; FPC; GS; Deleted in polyposis 2.5

Gene ID [324](#)

mRNA Refseq [NM_000038.6](#)

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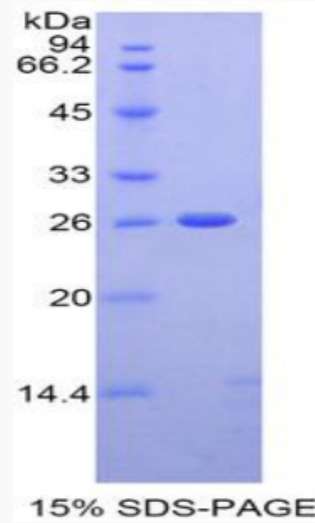
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Protein Refseq NP_000029.2

MIM 611731

UniProt ID P25054

SDS-PAGE of APC-02H



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