Recombinant Human APC Protein, His-tagged

Cat. No. APC-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Human adenomatous polyposis coli (APC), transcript variant 1,Glu955-Leu1382, with N-terminal His tag, expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	955-1382 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. 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.
Molecular Mass	47.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

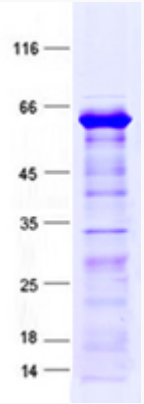
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Storage	Store at -80 centigrade.
Concentration	>50 g/mL as determined by microplate BCA method
Storage Buffer	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol.

GENE INFORMATION

Gene Name	APC APC regulator of WNT signaling pathway [Homo sapiens (human)]
Official Symbol	APC
Synonyms	APC; APC regulator of WNT signaling pathway; GS; DP2; DP3; BTPS2; DESMD; DP2.5; PPP1R46; adenomatous polyposis coli protein; APC, WNT signaling pathway regulator; WNT signaling pathway regulator; adenomatosis polyposis coli tumor suppressor; adenomatous polyposis coli (APC); deleted in polyposis 2.5; epididymis secretory sperm binding protein; protein phosphatase 1, regulatory subunit 46; truncated adenomatosis polyposis coli
Gene ID	324
mRNA Refseq	NM_001127511
Protein Refseq	NP_001120983
MIM	611731
UniProt ID	P25054

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SDS-PAGE	

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