

Recombinant Rat Apc Protein, His-tagged

Cat. No. Apc-202R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Apc Protein (Ile213-Lue461) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ile213-Lue461
Description	Enables microtubule binding activity. Involved in several processes, including cellular response to nerve growth factor stimulus; negative regulation of cardiac muscle cell proliferation; and regulation of glutamate metabolic process. Located in several cellular components, including axonal growth cone; cell body fiber; and lateral plasma membrane. Part of protein-containing complex. Colocalizes with neuron projection and synapse. Used to study anemia; colon adenocarcinoma; colon cancer; and familial adenomatous polyposis. Human ortholog(s) of this gene implicated in several diseases, including carcinoma (multiple); endometrial cancer (multiple); familial adenomatous polyposis 1; hereditary desmoid disease; and medulloblastoma. Orthologous to human APC (APC regulator of WNT signaling pathway).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.3 kDa Accurate Molecular Mass: 28&56 kDa

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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	<i>Apc adenomatous polyposis coli</i> [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	<i>Apc</i>
Synonyms	APC; adenomatous polyposis coli; adenomatous polyposis coli protein; adenomatosis polyposis coli; RATAPC
Gene ID	24205
mRNA Refseq	NM_012499
Protein Refseq	NP_036631

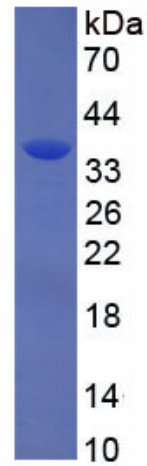
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UniProt ID

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