

Recombinant Human APC protein (His tag)

Catalog Number:PDEH100301



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms	Adenomatous polyposis coli protein;APC; Deleted in polyposis 2.5
Species	Human
Expression Host	E.coli
Sequence	Pro 2712-Val 2843
Accession	P25054
Calculated Molecular Weight	14.41 kDa
Observed molecular weight	18 kDa
Tag	N-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Background

APC is a ubiquitous, tumor-suppressor protein that is mutated in most colon cancers, generally resulting in a gene product that is truncated in the carboxy terminal region. APC contains several binding domains. The region used as an immunogen overlaps the EB1, DLG (PDZ sequence), and PSD-93 domains. These domains bind microtubules, mitotic spindles, and F-actin and are involved in cell cycle, division, and migration. The immunogen does not include the beta-catenin-binding region, which antagonizes Wnt signaling. The human APC amino acid sequence used as immunogen is 83% and 86% identical to mouse and rat APC, respectively.

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