

Full-Length

CDC27 (Human) Recombinant Protein (P01)

Catalog # H00000996-P01

Size 50 ug

Specification

Product Description

Human CDC27 full-length ORF (ABM87026.1, 1 a.a. - 830 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MTVLQEPVQAAMWQALNHAYRDAVFLAERLYAEVHSEELFLLATCYRSGKAYKAYRLKKGHS
CTTPQCKYLLAKCCVDLSKLAEGEQILSGGVFNKQKSHDDIVTEFGDSACFTLSLLGHVYCKTDR
LAKGSECYQKSLSLNPFLWSPFESLCEIGEKDPDQTFKFTSLQNFNCLPNSCTTQVPNHSLSH
RQPETVLTEPQDTIELNRLNLESSNSKYSLNTDSSVSIDSAVISPDTPVPLGTGTSILSKQVQNKPK
TGRSLLGGPAALSPLTPSFGILPLETPSPGDGSYLQNYTNTPPVIDVPSTGAPSKKTFRVLQSVARI
GQTGKSVFSQSGNSREVTPIAQTQSSGPQTSTTPQVLSPTITSPNALPRRSSRLFTSDSSTTK
ENSKKLKMKFPPEIPNRKTKSKTNKGGITQPNINDSLEITKLDSSIIEGKISTITPQIQAFNLQKAAAE
GLMSLLREMGKGYLALCSYNCKEAINILSHLP SHHYNTGWVLCQIGRAYFELSEYMQAERIFSEVR
RIENYRVEGMEIYSTTLWHLQKDVALSVLSKDLTMDKNSPEAWCAAGNCFSLQREHDIAIKFFQ
RAIQVDPNYAYAYTLGHEFVLTEELDKALACFRNAIRVNP RHYNWYGLGMIYKQEKFLAEMH
FQKALDINPQSSVLLCHIGVVQHALKKSEKALDTLNKAVIDPKNPLCKFHRASVLFANEKYKSALQ
ELEELKQIVPKESLVYFLIGKVYKKLGQTHALMNF SWAMDLD PKGANNQIKEAIDKRYLPDDEEPI
TQEEQIMGTDESQESSMTDADDTQLHAAESDEF

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

117.7

Interspecies Antigen Sequence

Mouse (96); Rat (97)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CDC27

Entrez GeneID [996](#)

GeneBank Accession# [DQ896027.2](#)

Protein Accession# [ABM87026.1](#)

Gene Name CDC27

Gene Alias APC3, CDC27Hs, D0S1430E, D17S978E, HNUC

Gene Description cell division cycle 27 homolog (S. cerevisiae)

Omim ID [116946](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene shares strong similarity with Saccharomyces cerevisiae protein Cdc27, and the gene product of Schizosaccharomyces pombe nuc 2. This protein is a component of anaphase-promoting complex (APC), which is composed of eight protein subunits and highly conserved in eucaryotic cells. APC catalyzes the formation of cyclin B-ubiquitin conjugate that is responsible for the ubiquitin-mediated proteolysis of B-type cyclins. This protein and 3 other members of the APC complex contain the TPR (tetratricopeptide repeat), a protein domain important for protein-protein interaction. This protein was shown to interact with mitotic checkpoint proteins including Mad2, p55CDC and BUBR1, and thus may be involved in controlling the timing of mitosis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations anaphase-promoting complex, protein 3|cell division cycle protein 27|nuc2 homolog

Pathway

- [Cell cycle](#)

- [Ubiquitin mediated proteolysis](#)