

Recombinant Human Cyclin E2, T7-tagged

Cat. No. CCNE2-2918H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCNE2 protein was expressed in E.coli with T7-tag at the N-terminus. The molecular weight is 46757 Da(296 aa).
Species	Human
Source	E.coli
Description	Cyclin E2 is a member of the cyclin family. Cyclin E2 binds to G1 phase Cdk2, which is required for the transition from G1 to S phase. The Cyclin E/CDK2 complex phosphorylates p27Kip1 (an inhibitor of Cyclin D), tagging it for degradation, thus promoting expression of Cyclin A, allowing progression to S phase.
Sequences of amino acids	1-296 aa
Formulation	10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN ₃ .
Purity	95%

GENE INFORMATION

Gene Name	CCNE2 cyclin E2 [Homo sapiens]
Synonyms	CYCE2; CCNE2; G1/S-specific cyclin-E2G1/S-specific cyclin E2
Gene ID	9134

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

mRNA Refseq	NM_057749
Protein Refseq	NP_477097
MIM	603775
UniProt ID	O96020
Chromosome Location	8q22.1
Pathway	Cell cycle; Oocyte meiosis; Pathways in cancer; Prostate cancer; Small cell lung cancer; p53 signaling pathway; Cell Cycle Checkpoints; Cell Cycle; Mitotic
Function	cyclin-dependent protein kinase regulator activity; protein binding

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