

Recombinant Human CCNE1 Protein, GST-Tagged

Cat. No. CCNE1-0665H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human CCNE1 full-length ORF (AAH35498.1, 1 a.a. - 410 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	<p>The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin forms a complex with and functions as a regulatory subunit of CDK2, whose activity is required for cell cycle G1/S transition. This protein accumulates at the G1-S phase boundary and is degraded as cells progress through S phase. Overexpression of this gene has been observed in many tumors, which results in chromosome instability, and thus may contribute to tumorigenesis. This protein was found to associate with, and be involved in, the phosphorylation of NPAT protein (nuclear protein mapped to the ATM locus), which participates in cell-cycle regulated histone gene expression and plays a critical role in promoting cell-cycle progression in the absence of pRB. [provided by RefSeq, Apr 2016]</p>
Molecular Mass	70.84 kDa

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AA Sequence

MPRERRERDAKERDTMKEDGGAEFSSARSRKRKANVTVFLQDPDEETAKIDRTARD
 QCGSQPWDNNAVCADPCSLIPTPKEDDDRVPNSTCKPRIIAPSRGSPLPVLSWA
 NREEVWKIMLNKEKTYLRDQHFLEQHPLLQPKMRAILLDWLMEVCEVYKLHRETFYL
 AQDFFDRYMATQENVVKTLLQLIGISSLFIAAKLEEIYPPKLHQFAYVTDGACSGDEIL
 TMELMIMKALKWRLSPLTIVSWLNVYMQVAYLNDLHEVLLPQYPQQIFIQIAELLDLC
 VLDVDCLEFPYGILAASALYHFSSSELMQKVSQYQWCDIENCVKWMVFPFAMVIRET
 GSSKCLKHFRGVADEDAHNIQTHRDSLDDLDKARAKKAMLSEQNRASPLPSGLLTPP
 QSGKKQSSGPEMA

Applications

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

Storage

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

Storage Buffer

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

GENE INFORMATION

Gene Name

CCNE1 cyclin E1 [Homo sapiens]

Official Symbol

CCNE1

Synonyms

CCNE1; cyclin E1; CCNE; G1/S-specific cyclin-E1; cyclin Es; cyclin Et;

Gene ID

898

mRNA Refseq

NM_001238

Protein Refseq

NP_001229

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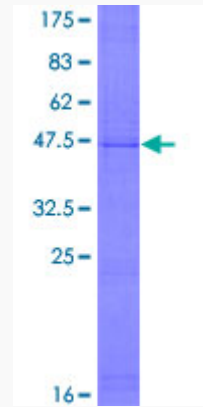
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MIM 123837

UniProt ID P24864

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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