Recombinant Human CCNE2 protein, GST-tagged

Cat. No. CCNE2-180H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCNE2 fused with GST tag at N-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
Description	CCNE2 is belongs to the cyclin family, Cyclin E subfamily. It is encoded by a separate gene from Cyclin E1, but shows substantial amino acid sequence similarity. Like Cyclin E1, it binds and activates the cyclin-dependent kinase 2 (Cdk2), which in turn phosphorylates proteins involved in cell cycle progression such as pRB, p107, NPM1, MCMs, thereby driving cell proliferation. A defect in spermatogenesis is the only phenotype observed in cyclin E2-deficient mice, suggesting its role in male fertility.
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	72 kDa
Purity	>70%
Applications	Western Blot
Stability	1 year at -70 centigrade from the date of shipment.

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Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.05μg/μl

GENE INFORMATION

Gene Name	CCNE2 cyclin E2 [Homo sapiens]
Official Symbol	CCNE2
Synonyms	CCNE2; cyclin E2; G1/S-specific cyclin-E2; CYCE2;
Gene ID	9134
mRNA Refseq	NM_057749
Protein Refseq	NP_477097
MIM	603775
UniProt ID	O96020
Chromosome Location	8q22.1
Pathway	Cell Cycle, organism-specific biosystem; Cell Cycle Checkpoints, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Cyclin A:Cdk2-associated events at S phase entry, organism-specific

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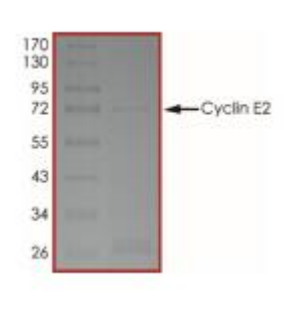
	biosystem;
Function	protein binding; protein kinase binding;
	

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