

Recombinant Human CCND2 Protein (Full length), N-GST-tagged

Cat. No. CCND2-25H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human CyclinD2 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	Full length
Description	CyclinD2 is a member of the D-type cyclins. D-type cyclins are regulators of the cell cycle and interact with several transcription factors modulating their transcriptional activations. CyclinD2 forms a complex and functions as a regulatory subunit of CDK4 or CDK6 that regulates the cell-cycle during G1/S transition. These complexes overcome the G1 growth arrest phase by phosphorylating and inactivating the retinoblastoma tumor suppressor protein. CyclinD2 is upregulated in the carcinogenesis of tumors, making it a possible therapeutic target for a variety of cancers, including colon cancer, stomach cancer, liver cancer, breast cancer, and lung cancer.
Molecular Mass	Observed MW: ~60 kDa. Calculated MW: ~59 kDa.
Purity	The purity of CyclinD2 was determined to be > 85 % by densitometry.

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Stability	One year at -70 centigrade from date of shipment.
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	0.05 µg/µL
Storage Buffer	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT and 25% glycerol.
Shipping	Dry ice

GENE INFORMATION

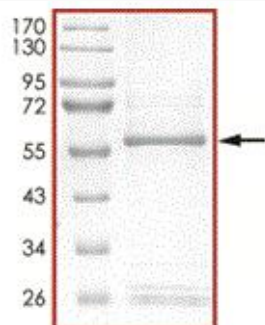
Gene Name	CCND2 cyclin D2 [Homo sapiens (human)]
Official Symbol	CCND2
Synonyms	CCND2; cyclin D2; G1/S-specific cyclin-D2; G1/S specific cyclin D2; G1/S-specific cyclin D2; KIAK0002; MGC102758;
Gene ID	894
mRNA Refseq	NM_001759
Protein Refseq	NP_001750
MIM	123833
UniProt ID	P30279

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Purity



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