Recombinant Human CDK6/CCND2 Protein (Full length), N-GST-tagged

Cat. No. CDK6-27H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human CDK6 and CyclinD2 were co-expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag on both proteins.
Species	Human
Source	Sf9 Cells
ProteinLength	Full Length
Description	CDK6 is a member of the cyclin-dependent family of protein kinases that are important regulators of cell cycle progression. CDK6 activity is regulated by the D-type cyclins and members of the INK4 family of CDK inhibitors. The CDK6 kinase activity is detected in mid-G1 phase of the cell cycle and is responsible for the phosphorylation and regulation of the activity of tumor suppressor protein Rb. Although CDK6 and CDK4 can both phosphorylate multiple residues in the Rb protein, they do so with different residue selectivities in vitro; CDK6 phosphorylates Thr821 while CDK4 phosphorylates Thr826 on Rb protein.
Molecular Mass	CDK6 Observed MW: ~66 kDa. CDK6 Calculated MW: ~63 kDa. CyclinD2 Observed MW:: ~60 kDa. CyclinD2 Calculated MW: ~59 kDa.
Purity	The purity of CDK6/CyclinD2 was determined to be > 90 % by densitometry.

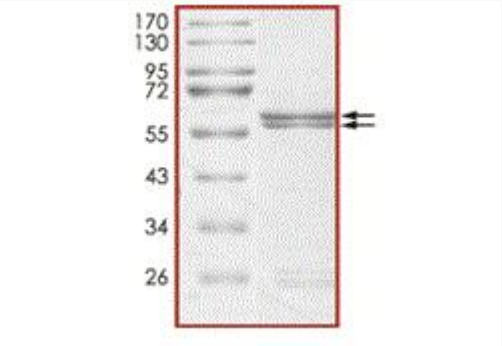
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Stability	One year at -70 centigrade from date of shipment.
Storage	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.2 μg/μL
Storage Buffer	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 25% glycerol.
Shipping	Dry ice

GENE INFORMATION

Gene Name	CDK6 cyclin-dependent kinase 6 [Homo sapiens (human)]
Official Symbol	CDK6
Synonyms	CDK6; cyclin-dependent kinase 6; PLSTIRE; cell division protein kinase 6; serine/threonine-protein kinase PLSTIRE; MGC59692;
Gene ID	1021
mRNA Refseq	NM_001259
Protein Refseq	NP_001250
MIM	603368
UniProt ID	Q00534

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Purity	

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