Recombinant Human G1/S-specific cyclin-D3 (CCND3)

Product Code	CSB-BP004814HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P30281
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MELLCCEGTR HAPRAGPDPR LLGDQRVLQS LLRLEERYVP RASYFQCVQR EIKPHMRKML AYWMLEVCEE QRCEEEVFPL AMNYLDRYLS CVPTRKAQLQ LLGAVCMLLA SKLRETTPLT IEKLCIYTDH AVSPRQLRDW EVLVLGKLKW DLAAVIAHDF LAFILHRLSL PRDRQALVKK HAQTFLALCA TDYTFAMYPP SMIATGSIGA AVQGLGACSM SGDELTELLA GITGTEVDCL RACQEQIEAA LRESLREASQ TSSSPAPKAP RGSSSQGPSQ TSTPTDVTAI HL
Source	Baculovirus
Target Names	CCND3
Protein Names	Recommended name: G1/S-specific cyclin-D3
Expression Region	1-292
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	This protein 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 CDK4 or CDK6, whose activtiy is required for cell cycle G1/S transition. This protein has been shown to interact with and be involved in the phosphorylation of tumor suppressor protein Rb. The CDK4 activity associated with this cyclin was reported to be necessary for cell cycle progression through G2 phase into mitosis after UV radiation. Several transcript variants encoding different isoforms have been found for this gene.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.
Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.