Product datasheet for PH301186

Cyclin (CCNI) (NM_006835) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CCNI MS Standard C13 and N15-labeled recombinant protein (NP_006826)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201186
Predicted MW:	42.6 kDa
Protein Sequence:	>RC201186 protein sequence Red=Cloning site Green=Tags(s) MKFPGPLENQRLSFLLEKAITREAQMWKVNVRKMPSNQNVSPSQRDEVIQWLAKLKYQFNLYPETFALAS SLLDRFLATVKAHPKYLSCIAISCFFLAAKTVEEDERIPVLKVLARDSFCGCSSSEILRMERIILDKLNW DLHTATPLDFLHIFHAIAVSTRPQLLFSLPKLSPSQHLAVLTKQLLHCMACNQLLQFRGSMLALAMVSLE MEKLIPDWLSLTIELLQKAQMDSSQLIHCRELVAHHLSTLQSSLPLNSVYVYRPLKHTLVTCDKGVFRLH PSSVPGPDFSKDNSKPEVPVRGTAAFYHHLPAASGCKQTSTKRKVEEMEVDDFYDGIKRLYNEDNVSENV GSVCGTDLSRQEGHASPCPPLQPVSVM TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_006826
RefSeq Size:	1890
RefSeq ORF:	1131
Synonyms:	CCNI1; CYC1; CYI
Locus ID:	10983

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UniProt ID:	Q14094, A0A024RDH0
Cytogenetics:	4q21.1
Summary:	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 shows the highest similarity with cyclin G. The transcript of this gene was found to be expressed constantly during cell cycle progression. [provided by RefSeq, Jan 2017]

Product images:
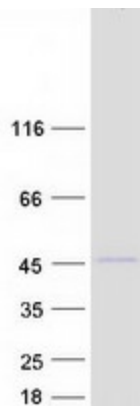
Coomassie blue staining of purified CCNI protein (Cat# [TP301186]). The protein was produced from HEK293T cells transfected with CCNI cDNA clone (Cat# [RC201186]) using MegaTran 2.0 (Cat# [TT210002]).