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Product datasheet for PH311148

Cyclin A2 (CCNA2) (NM_001237) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CCNA2 MS Standard C13 and N15-labeled recombinant protein (NP_001228)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211148
Predicted MW:	48.4 kDa
Protein Sequence:	>RC211148 representing NM_001237 Red=Cloning site Green=Tags(s) MLGNSAPGPATREAGSALLALQQTALQEDQENINPEKAAPVQQPRTRAALAVLKSGNPRGLAQQQRPKTR RVAPLKDLPVNDEHVTVPPWKANSKQPAFTIHVDEAEKEAQKKPAESQKIEREDALAFNSAISLPGPRKP LVPLDYPMDGSFESPHTMDMSIVLEDEKPVSVNEVPDYHEDIHTYLREMEVKCKPKVGYMKKQPDITNSM RAILVDWLVEVGEEYKLQNETLHLAVNYIDRFLSSMSVLRGKLQLVGTAAMLLASKFEEIYPPEVAEFVY ITDDTYTKKQVLRMEHLVLKVLTFDLAAPTVNQFLTQYFLHQQPANCKVESLAMFLGELSLIDADPYLKY LPSVIAGAAFHLALYTVTGQSWPESLIRKTGYTLESLKPCLMDLHQTYLKAPQHAQQSIREKYKNSKYHG VSLLNPPETLNL 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_001228
RefSeq Size:	1682
RefSeq ORF:	1296
Synonyms:	CCN1; CCNA

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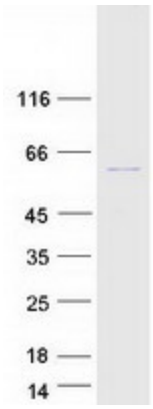
Locus ID:	890
UniProt ID:	P20248
Cytogenetics:	4q27
Summary:	The protein encoded by this gene belongs to the highly conserved cyclin family, whose members function as regulators of the cell cycle. This protein binds and activates cyclin-dependent kinase 2 and thus promotes transition through G1/S and G2/M. [provided by RefSeq, Aug 2016]
Protein Families:	Druggable Genome, Stem cell - Pluripotency
Protein Pathways:	Cell cycle, Progesterone-mediated oocyte maturation

Product images:



Coomassie blue staining of purified CCNA2 protein (Cat# [TP311148]). The protein was produced from HEK293T cells transfected with CCNA2 cDNA clone (Cat# [RC211148]) using MegaTran 2.0 (Cat# [TT210002]).