

Product datasheet for PH301702

CDC5L (NM_001253) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CDC5L MS Standard C13 and N15-labeled recombinant protein (NP_001244)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201702
Predicted MW:	92.3 kDa
Protein Sequence:	>RC201702 protein sequence Red=Cloning site Green=Tags(s)

MPRIMIKGGVWRNTEDEILKAAVMKYGKNQWSRIASLLHRKSAKQCKARWYEWLDPSIKKTEWSREEEEK
LLHLAKLMPTQWRTIAPIIGRTAAQCLEHYEFLLDKAAQRDNEEETDDPRKLPGEIDPNPETKPARPD
PIDMDEDELEMLSEARARLANTQGKAKRKAREKQLEEARRLAALQKRRELRAAGIEIQKRKRKRKRGVDY
NAEIPFEKPPALGFYDTSEENYQALDADFRKLRQQDLGELRSEKEGRDRKKDKQHLKRKESDLP
SAILQTSGVSEFTKKRSKLVLPAPQISDAELQEVVKGQASEIARQTAEEESGITNSASSTLLSEYNVTNNSVAL
RTPRTPASQDRILQEAQNLMLTNVDTPKGLNTPLESDFSGVTPQRQVVQTPNTVLSTPFRTPSNGA
EGLTPRSGTTPKPVINSTPGRTPLRDKLNINPEDGMADYSDPSYVKQMERESREHLRLGLLPAPKND
EIVLPENAEKELEEREIDDTYIEDAADVDARKQAIRDAERVKEMKRMHKAVQKDLPRPSEVNETILRPLN
VEPPLTDLQKSEELIKKEMITMLHYDLLHHPYEPGSGNKKGKTGVFGTNNSEHITYLEHNPYEKFSKEELK
KAQDVLVQEMEVKQGMESHGELSSSEAYNQWEECYSQLYLPQGSRYTRANLASKKDRIESLEKRL
EINRGHMTTEAKRAAKMEKMKILLGGYQSRAMGLMKQLNDLWDQIEQAHLELRTEELKKHEDSAIPRRLECL
KEDVQRQEREKELQHRADLLLEKETLKSFK

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_001244



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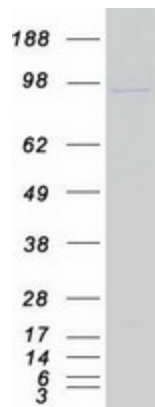
RefSeq Size:	6432
RefSeq ORF:	2406
Synonyms:	CDC5; CDC5-LIKE; CEF1; dj319D22.1; PCDC5RP
Locus ID:	988
UniProt ID:	Q99459
Cytogenetics:	6p21.1

Summary: The protein encoded by this gene shares a significant similarity with *Schizosaccharomyces pombe* *cdc5* gene product, which is a cell cycle regulator important for G2/M transition. This protein has been demonstrated to act as a positive regulator of cell cycle G2/M progression. It was also found to be an essential component of a non-snRNA spliceosome, which contains at least five additional protein factors and is required for the second catalytic step of pre-mRNA splicing. [provided by RefSeq, Jul 2008]

Protein Families: Transcription Factors

Protein Pathways: Spliceosome

Product images:



Coomassie blue staining of purified CDC5L protein (Cat# [TP301702]). The protein was produced from HEK293T cells transfected with CDC5L cDNA clone (Cat# [RC201702]) using MegaTran 2.0 (Cat# [TT210002]).