

# Recombinant Human CDC73 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CDC73-3933H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

CDC73 MS Standard C13 and N15-labeled recombinant protein (NP\_078805) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### Description

This gene encodes a tumor suppressor that is involved in transcriptional and post-transcriptional control pathways. The protein is a component of the the PAF protein complex, which associates with the RNA polymerase II subunit POLR2A and with a histone methyltransferase complex. This protein appears to facilitate the association of 3' mRNA processing factors with actively-transcribed chromatin. Mutations in this gene have been linked to hyperparathyroidism-jaw tumor syndrome, familial isolated hyperparathyroidism, and parathyroid carcinoma.

### Molecular Mass

60.6 kDa

### AA Sequence

MADVLSVLRQYNIQKKEIVVKGDEVIFGEFSWPKNVKTNYVVWGTGKEGQPREYYT  
LDSILFLLNNVHLSHPVYVRRRAATENIPVRRPDRKDLLGYLNGEASTSASIDRSAPL  
EIGLQRSTQVKRAADEVLAEAKKPRIEDEECVRLDKERLAARLEGHKEGIVQTEQIRS  
LSEAMSVEKIAAIKAKIMAKKRSTIKTDLDDDDITALKQRSFVDAEVDVTRDIVSRERVW  
RTRTTILQSTGKNFSKNIFAILQSVKAREEGRAPEQRPAAPNAAPVDPTLRKQPIPAA  
YNYRDQERFKGKEETEGFKIDTMGTYHGMTLKS VTEGASARKTQTPAAQVPRPVS

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QARPPPNQKKGSRTPIIIIPAAATSLITMLNAKDLLQDLKFVPSDEKQGCQRENETL  
 IQRRKDQMPPGGTAISVTPYRVVDQPLKMPQDWRVAVFVQGPAAWQFKGWP  
 WLLPDGSPVDIFAKIKAFHLKYDEVRLDPNVQKWDVTVLELSYHKRHLDRPVFLRFW  
 ETLDRYMVKHKSHLRFTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** CDC73 cell division cycle 73 [ Homo sapiens (human) ]

**Official Symbol** CDC73

**Synonyms** CDC73; cell division cycle 73, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae); C1orf28, chromosome 1 open reading frame 28, HRPT2, hyperparathyroidism 2 (with jaw tumor); parafibromin; hyperparathyroidism 2 protein; cell division cycle protein 73 homolog; HYPX; HPTJT; HRPT2; C1orf28; FLJ23316;

**Gene ID** 79577

**mRNA Refseq** NM\_024529

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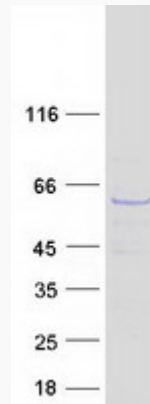
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**Protein Refseq** NP\_078805

**MIM** 607393

**UniProt ID** Q6P1J9

**SDS-PAGE**



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