

# Recombinant human CDC123 protein

Catalog Number: ATGP2098

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-336aa

### UniProt No.

O75794

### NCBI Accession No.

NP\_006014

### Alternative Names

Cell division cycle protein 123 homolog, C10orf7, D123, Cell division cycle 123, HT-1080, PZ32

## PRODUCT SPECIFICATION

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### Molecular Weight

41.5 kDa (359aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol 0.1M NaCl, 2mM DTT

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

CDC123, as known as D123, belongs to the CDC123 family. This protein is expressed in spleen, thymus, prostate, testis, ovary, small intestine, colon and leukocytes with the highest expression in testis. CDC123 is required for S phase entry of the cell cycle. Recombinant human CDC123 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMKKEHVL HCQFSAWYPF FRGVTIKSVI LPLQNVKDY LLDDGTLVVS GRDDPPTHSQ

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PSSDDEAEEI QWSDDENTAT LTAPEFPEFA TKVQEAINSL GGSVFPKLNW SAPRDAYWIA MNSSLKCKTL SDIFLLFKSS  
DFITRDFTQP FIHCTDDSPD PCIEYELVLR KWCELIPGAE FRCFVKENKL IGISQRDYTQ YYDHISKQKE EIRRCIQDFF  
KKHIQYKFLD EDFVFDIYRD SRGKVLIDF NPFGEVTDLS LFTWEELISE>NNLNGDFSEV DAQEQDSPAF RCTNSEVTVQ  
PSPYLSYRLP KDFVDLSTGE DAHKLIDFLK LKRNQQEDD

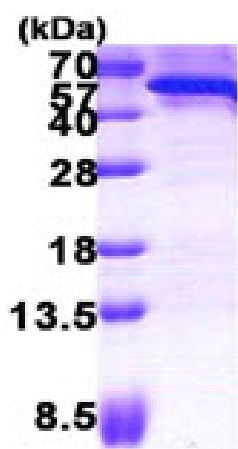
## General References

Bieganowski P. et al. (2004) J Biol Chem. 279 : 44656-44666.

kuda A. et al. (1996) Exp Cell Res. 223:242-249.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)