

## Recombinant Human cell division cycle 123, His-tagged

**Cat. No.** CDC123-583H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | CDC123, 1-336aa, Human, His tag, E.coli                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 1-336 a.a.                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl, 2mM DTT                                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | 41.5kDa (359aa) confirmed by MALDI-TOF                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MGSSHHHHHH SSGLVPRGSH GSMKKEHVL HCQFSAWYPF FRGVTIKSVI<br>LPLPQNVKDY LLDDGTLVVS GRDDPPTHSQ PDSDEAEI QWSDDENTAT<br>LTAPEFPEFA TKVQEAINSL GGSVFPKLNW SAPRDAYWIA MNSSLKCKTL<br>SDIFLLFKSS DFITRDFTQP FIHCTDDSPD PCIEYELVLR KWCELIPGAE<br>FRCFVKENKL IGISQRDYTQ YYDHISKQKE EIRRCIQDFF KKHIQYKFLD<br>EDFVFDIYRD SRGKVWLIDF NPFGEVTDLS LFTWEELISE NNLNGDFSEV                                                           |

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DAQEQDSPAF RCTNSEVTVQ PSPYLSYRLP KDFVDLSTGE DAHKLIDFLK  
LKRNQQEDD

**Purity** >90% by SDS - PAGE

**Storage** Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

**Concentration** 0.5 mg/ml (determined by Bradford assay)

## GENE INFORMATION

**Gene Name** [CDC123 cell division cycle 123 homolog \(S. cerevisiae\) \[ Homo sapiens \]](#)

**Official Symbol** CDC123

**Synonyms** CDC123; cell division cycle 123 homolog (S. cerevisiae); C10orf7, chromosome 10 open reading frame 7; cell division cycle protein 123 homolog; D123; PZ32; HT-1080; C10orf7; FLJ13863;

**Gene ID** [8872](#)

**mRNA Refseq** [NM\\_006023](#)

**Protein Refseq** [NP\\_006014](#)

**UniProt ID** [O75794](#)

**Chromosome Location** 10p13

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