# Cell Division Cycle-Associated 7-Like Protein (CDCA7L) Human Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Cell division cycle-associated 7-like protein (CDCA7L), Recombinant Protein |
| **Full Product Name** | Recombinant Human Cell division cycle-associated 7-like protein (CDCA7L) |
| **Product Gene Name** | CDCA7L recombinant protein |
| **Product Synonym Gene Name** | CDCA7L |
| **Sequence** | MELATRYQIP KEVADIFNAP SDDEEFVGFR DDVPMETLSS EESCDSFDSL ESGKQQDVRF HSKYFTEELR RIFIEDTDSE TEDFAGFTQS DLNGKTNPEV MVVESDLSDD GKASLVSEEE EDEEEDKATP RRSRSRRSSI GLRVAFQFPT KKLANKPDKN SSSEQLFSSA RLQNEKKTIL ERKKDCRQVI QREDSTSESE DDSRDESQES SDALLKRTMN IKENKAMLAQ LLAELNSMPD FFPVRTPTSA SRKKTVRRAF SEGQITRRMN PTRSARPPEK FALENFTVSA AKFAEEFYSF RRRKTIGGKC REYRRRHRIS SFRPVEDITE EDLENVAITV RDKIYDKVLG NTCHQCRQKT IDTKTVCRNQ GCCGVRGQFC GPCLRNRYGE DVRSALLDPD WVCPPCRGIC NCSYCRKRDG RCATGILIHL AKFYGYDNVK EYLESLQKEL VEDN |
| **Host** | E Coli or Yeast or Baculovirus or Mammalian Cell |
| **Form/Format** | Lyophilized or liquid (Format to be determined during the manufacturing process) |
| **Purity/Purification** | Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific) |
| **Preparation and Storage** | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended. |
| **Molecular Weight** | 46,779 Da |
| **Sequence Positions** | 1-454, Full length protein |
| **Tag Information** | This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information. |
| **Sterility** | Sterile filter available upon request. |
| **Endotoxin** | Low endotoxin available upon request. |
| **OMIM** | 609685 |
| **3D Structure** | ModBase 3D Structure for Q96GN5 |
| **Species** | Human |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for CDCA7L recombinant protein** | MBS1308438 is a recombinant protein targeting CDCA7L. Also known as Recombinant Human Cell division cycle-associated 7-like protein (CDCA7L). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of CDCA7L recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDCA7L. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 188497635 |
| **NCBI GeneID** | 55536 |

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| **NCBI Accession #** | NP_001120842.1 |
| **UniProt Primary Accession #** | Q96GN5 |
| **UniProt Secondary Accession #** | Q6PIL4; Q86YT0; Q8IXN5; Q96C70; Q9H9A2; Q9NPV2; A4D141; A6NF50; B3KTR5; B4DUT3; C9K0Y1 |
| **UniProt Related Accession #** | Q96GN5 |
| **GenBank Nucleotide #** | NM_001127370.2 |
| **NCBI Official Full Name** | cell division cycle-associated 7-like protein isoform 2 |
| **NCBI Official Synonym Full Names** | cell division cycle associated 7 like |
| **NCBI Official Symbol** | CDCA7L |
| **NCBI Official Synonym Symbols** | R1; JPO2; RAM2 |
| **UniProt Protein Name** | Cell division cycle-associated 7-like protein |
| **UniProt Synonym Protein Names** | Protein JPO2; Transcription factor RAM2 |
| **Protein Family** | Cell division cycle-associated 7-like protein |
| **UniProt Gene Name** | CDCA7L |
| **UniProt Synonym Gene Names** | HR1; JPO2; R1 |
| **NCBI Protein Information** | cell division cycle-associated 7-like protein |
| **UniProt Comments for CDCA7L** | Plays a role in transcriptional regulation as a repressor that inhibits monoamine oxidase A (MAOA) activity and gene expression by binding to the promoter. Plays an important oncogenic role in mediating the full transforming effect of MYC in medulloblastoma cells. Involved in apoptotic signaling pathways; May act downstream of P38-kinase and BCL-2, but upstream of CASP3/caspase-3 as well as CCND1/cyclin D1 and E2F1. |
| **Research Articles on CDCA7L** | **1.** We identify the Myc-interacting protein JPO2 and its partner binding protein LEDGF/p75 as critical modulators of PI3K/AKT signaling and metastasis in medulloblastoma |
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