# Recombinant CDCA4 protein (His tag)

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| **Catalog Number** | 545855 |
| **Synonyms** | Hematopoietic progenitor protein |
| **Species** | Human |
| **Expression System** | E. coli |
| **Accession** | Q9BXL8 |
| **Molecular Weight** | Predictes a molecular mass of 10.37 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 10 kDa band. |

## Product Information

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| **Sequence Region** | 1-78 |
| **Form** | Lyophilized powder |
| **Formulation** | Lyophilized from sterile PBS, pH 7.4 |
| **Purity** | >89%, by SDS-PAGE with Coomassie Brilliant Blue staining. |
| **Endotoxin** | Not tested. |
| **Activity** | Not tested. |
| **Stability** | Samples are stable for up to twelve months from date of receipt at -70℃ |
| **Protein Construction** | DNA encoding 1-78 aa (Q9BXL8) were fused with 6His tag. |

## Storage & Handling

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| **Reconstitution** | Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. |
| **Storage** | Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| **Shipping** | In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature.<br>Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise. |

## Description

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| **Description** | Recombinant Human CDCA4 (Cell division cycle-associated protein 4) fragment (amino acids 1-78) is a high-purity protein designed for studying the SERTA domain. This fragment serves as an essential tool for investigating cell proliferation regulation and hematopoietic lineage commitment in research applications. Cell division cycle-associated protein 4 (CDCA4) is a human protein involved in regulating cell proliferation through the E2F/RB pathway. According to functional studies, it plays a role in molecular regulation of hematopoietic stem cells and progenitor cell lineage commitment and differentiation. The protein is localized to the nucleus, supporting its function in transcriptional regulation and cellular differentiation processes. |