Recombinant CDCA7 protein (His tag)

Catalog Number	538863
Synonyms	Protein JPO1
Species	Human
Expression System	E. coli
Accession	Q9BWT1
Molecular Weight	Predictes a molecular mass of 21.28 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 21 kDa band.

Product Information

Sequence Region	203-371
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 203-371 aa (Q9BWT1) were fused with 6His tag.

Storage & Handling

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. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	This product offers a recombinant fragment (residues 203-371) of the human Cell division cycle-associated protein 7 (CDCA7), also known as Protein JPO1. This fragment is designed for structural and biochemical studies, providing a stable and soluble unit ideal for investigating the protein's role in MYC-mediated cellular transformation and transcriptional regulation. Cell division cycle-associated protein 7 (CDCA7) is a human protein involved in MYC-mediated cell transformation and apoptosis, contributing to anchorage-independent growth and clonogenicity in lymphoblastoid cells. While not tumorigenic on its own, it supports MYC-driven tumorigenesis and may function as a transcriptional regulator. The protein is predominantly localized in the nucleus, with some cytoplasmic expression, and phosphorylation at Thr-163 shifts its localization primarily to the cytoplasm. This fragment (residues 203-371) was selected computationally to ensure stability and solubility, facilitating research into its biochemical properties and interactions.