Recombinant CEC1 protein (His tag)

Catalog Number	534746
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	P34618
Gene ID	176190
Molecular Weight	Predictes a molecular mass of 10.46 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	1-76
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 1-76 aa (P34618) 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	Recombinant Chromo domain-containing protein cec-1 fragment (residues 1-76) from Caenorhabditis elegans, encompassing the complete Chromo domain. This high-purity fragment serves as an essential tool for investigating domain-specific functions in chromatin regulation and nuclear processes. The full-length Chromo domain-containing protein cec-1 in Caenorhabditis elegans is localized to the nucleus and chromosomes, playing a role in chromosomal dynamics during cell division. It dissociates from condensing chromosomes during mitosis, suggesting involvement in chromatin organization and mitotic progression. The Chromo domain is critical for protein interactions with modified histones, positioning cec-1 as a key regulator in epigenetic mechanisms and nuclear architecture.