Recombinant CPB2 protein (His tag)

Catalog Number	534802
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	Q18317
Gene ID	174027
Molecular Weight	Predictes a molecular mass of 25.23 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 26 kDa band.

Product Information

Sequence Region	370-570
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 370-570 aa (Q18317) 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 Cytoplasmic polyadenylation element-binding protein 2 (CPB-2) fragment (amino acids 370-570) from Caenorhabditis elegans, encompassing the complete RRM domain (434-516). This high-purity fragment serves as an essential tool for investigating RNA recognition and translational regulation mechanisms in molecular biology research. Cytoplasmic polyadenylation element-binding protein 2 (CPB-2) is a key regulatory protein that binds to specific mRNAs and controls their translation, playing a crucial role in post-transcriptional gene regulation. As a cytoplasmic polyadenylation element binding protein, CPB-2 functions in mRNA translational control pathways, though it has been shown to be non-essential for oogenesis processes. The full-length protein's ability to recognize and regulate specific mRNA targets makes it an important subject for studying RNA-protein interactions and translational regulation mechanisms in cellular systems.