Recombinant MXT protein (His tag)

Catalog Number	534679
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	Q9XW13
Gene ID	173151
Molecular Weight	Predictes a molecular mass of 10.43 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 10 kDa band.

Product Information

Sequence Region	242-318
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 242-318 aa (Q9XW13) 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 fragment of the Eukaryotic translation initiation factor 4E-binding protein Mextli homolog (mxt-1) from Caenorhabditis elegans, encompassing residues 242-318. This 77-amino acid fragment includes the complete KH domain, making it an ideal tool for investigating domain-specific functions in translation regulation. The full-length Eukaryotic translation initiation factor 4E-binding protein Mextli homolog plays a role in promoting translation, as supported by experimental evidence (ECO:0000250|UniProtKB:Q9VR35). It is localized in the cytoplasm, where it contributes to cellular protein synthesis mechanisms. This protein's involvement in translation initiation highlights its significance in gene expression regulation and cellular function.