Recombinant YMD4 protein (His tag)

Catalog Number	536992
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	P34458
Gene ID	186268
Molecular Weight	Predictes a molecular mass of 10.29 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	1-72
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 1-72 aa (P34458) 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 (residues 1-72) of the Uncharacterized Protein F54H12.4 from Caenorhabditis elegans, designed for structural and biochemical studies. This 72-amino acid fragment was computationally selected to ensure stability and solubility, making it an ideal tool for investigating protein function and interactions in research applications. The full-length Uncharacterized Protein F54H12.4, identified in Caenorhabditis elegans with UniProt ID P34458, lacks detailed functional characterization or subcellular localization data in the provided information. As an uncharacterized protein, it represents a potential target for exploratory research to elucidate its biological role, which may contribute to understanding cellular processes in this model organism. The absence of specific functional or localization details highlights the opportunity for researchers to uncover novel insights through structural and functional analyses using this recombinant fragment.