Recombinant YMD2 protein (His tag)

Catalog Number	537052
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	P34456
Gene ID	186266
Molecular Weight	Predictes a molecular mass of 48.93 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 49 kDa band.

Product Information

Sequence Region	1-419
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 1-419 aa (P34456) 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 Uncharacterized Protein F54H12.2 (residues 1-419) from Caenorhabditis elegans, representing a computationally selected stable and soluble fragment ideal for structural biology and biochemical characterization studies. Uncharacterized Protein F54H12.2 is a protein from the model organism Caenorhabditis elegans with UniProt ID P34456. As an uncharacterized protein, its specific biological function and subcellular localization remain to be experimentally determined, representing an opportunity for novel discovery in this important model system. The selected fragment (residues 1-419) encompasses the full predicted structural domain and was computationally optimized for stability and solubility to facilitate research into this protein's potential roles and mechanisms.