Recombinant YMSO protein (His tag)

Catalog Number	536743
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	Q21268
Gene ID	179200
Molecular Weight	Predictes a molecular mass of 31.99 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 33 kDa band.

Product Information

Sequence Region	23-290
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 23-290 aa (Q21268) 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 UPF0046 protein K07C7.11 (fragment 23-290) from Caenorhabditis elegans is a high-purity, soluble protein fragment designed for structural biology and biochemical studies. This 268-amino acid fragment represents a stable domain predicted to retain key structural features, enabling reliable experimental applications. The full-length UPF0046 protein K07C7.11 is encoded in the Caenorhabditis elegans genome and belongs to the UPF0046 family, though specific functional and subcellular localization data remain uncharacterized. This recombinant fragment (residues 23-290) was computationally selected to enhance solubility and stability, supporting investigations into its potential role in conserved biological processes.