Recombinant MIS35 protein (His tag)

Catalog Number	536689
Synonyms	Mitochondrial intermembrane space protein homolog 35
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	P45967
Gene ID	174264
Molecular Weight	Predictes a molecular mass of 14.17 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	1-103
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 1-103 aa (P45967) 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 mdmh-35 (1-103) fragment from Caenorhabditis elegans, encompassing the complete CHCH functional domain. This high-purity protein preparation serves as an essential research tool for investigating domain-specific functions and molecular mechanisms in mitochondrial biology. The full-length uncharacterized protein mdmh-35 is identified as a mitochondrial intermembrane space protein homolog in Caenorhabditis elegans. While detailed functional characterization and subcellular localization data are not fully established, the presence of the CHCH domain suggests potential involvement in mitochondrial organization, protein import, or redox regulation processes within the mitochondrial intermembrane space compartment.