Recombinant TIPIN protein (His tag)

Catalog Number	534877
Synonyms	CSM3 homolog
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	Q9TXI0
Gene ID	171803
Molecular Weight	Predictes a molecular mass of 11.38 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	53-135
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 53-135 aa (Q9TXI0) 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 Protein TIPIN homolog (CSM3 homolog) fragment (residues 53-135) from Caenorhabditis elegans, designed for structural and biochemical studies. This 83-amino acid fragment represents a stable, soluble unit ideal for investigating S-phase progression and DNA damage response mechanisms. Protein TIPIN homolog is essential for normal S-phase progression and plays a critical role in cell survival following DNA damage or replication stress. The full-length protein localizes to both the cytoplasm and nucleus, indicating its involvement in fundamental cellular processes. This specific fragment was computationally selected to provide a stable, soluble protein unit that maintains structural integrity for detailed mechanistic studies of replication fork stability and DNA damage response pathways.