Recombinant ATTF4 protein (His tag)

Catalog Number	536727
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	Q11178
Gene ID	175858
Molecular Weight	Predictes a molecular mass of 18.22 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 18 kDa band.

Product Information

Sequence Region	283-433
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 283-433 aa (Q11178) 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 AT hook-containing protein attf-4 fragment (residues 283-433) from Caenorhabditis elegans, representing a stable and soluble protein unit ideal for structural biology and biochemical studies. This 151-amino acid fragment was computationally selected to ensure optimal expression and functionality for research applications. The full-length AT hook-containing protein attf-4 is encoded by the attf-4 gene in Caenorhabditis elegans. While specific functional details and subcellular localization information are not fully characterized in the provided data, AT hook-containing proteins typically function in DNA binding and chromatin organization, playing important roles in gene regulation and nuclear processes. The selected fragment (283-433) represents a structurally stable region of the protein that maintains solubility, making it particularly valuable for experimental investigations into protein structure and molecular interactions.