Recombinant MFAP1 protein (His tag)

Catalog Number	534202
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	Q93712
Gene ID	172661
Molecular Weight	Predictes a molecular mass of 30.44 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 36 kDa band.

Product Information

Sequence Region	225-466
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 225-466 aa (Q93712) 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 Microfibrillar-associated protein 1 (MFAP-1) fragment (residues 225-466) from Caenorhabditis elegans, designed to support studies in pre-mRNA splicing mechanisms. This 242-amino acid fragment offers a stable, soluble unit ideal for structural and biochemical investigations. Microfibrillar-associated protein 1, encoded by the mfap-1 gene in Caenorhabditis elegans, plays a critical role in pre-mRNA splicing, as evidenced by experimental data (ECO:0000269|PubMed:22829783). The protein is localized to the nucleus, where it contributes to essential RNA processing pathways. The provided fragment (residues 225-466) was selected computationally to ensure stability and solubility, facilitating research into its functional domains without the complexities of the full-length protein.