Recombinant MFAP1 protein (His tag)

Catalog Number	547085
Synonyms	Spliceosome B complex protein MFAP1
Species	Human
Expression System	E. coli
Accession	P55081
Molecular Weight	Predictes a molecular mass of 30.39 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 36 kDa band.

Product Information

Sequence Region	199-439
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 199-439 aa (P55081) 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	This product is a recombinant fragment of Microfibrillar-associated protein 1 (MFAP1), spanning residues 199-439, designed for structural and biochemical studies. It represents a stable, soluble unit of this key spliceosome component, enabling detailed investigation into pre-mRNA splicing mechanisms. Microfibrillar-associated protein 1 (MFAP1) is a human protein that plays a critical role in pre-mRNA splicing as part of the spliceosome B complex, a large ribonucleoprotein assembly essential for mRNA maturation. It is localized to the nucleus, where it contributes to the precise excision of introns and ligation of exons during gene expression. This fragment was selected computationally to provide a well-behaved, functional unit for experimental applications, supporting research into spliceosome dynamics and RNA processing pathways.