Recombinant SRF protein (His tag)

Catalog Number	534568
Synonyms	Uncoordinated protein 120
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	Q18955
Gene ID	172636
Molecular Weight	Predictes a molecular mass of 15.51 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	1-128
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 1-128 aa (Q18955) 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 Serum response factor homolog (Uncoordinated protein 120) fragment (amino acids 1-128) from Caenorhabditis elegans. This high-purity protein includes the complete MADS-box domain, making it an essential tool for studying transcriptional regulation and muscle development mechanisms. Serum response factor homolog (Uncoordinated protein 120), encoded by the unc-120 gene in Caenorhabditis elegans, functions as a transcription factor that regulates myogenesis in cooperation with transcription factors hlh-1 and hnd-1. It plays a critical role in both embryonic muscle development and the maintenance of muscle integrity during adulthood. The protein localizes to the nucleus, consistent with its function in transcriptional regulation. This recombinant fragment (1-128) specifically contains the MADS-box domain (amino acids 45-105), enabling focused investigation into DNA binding and protein interaction properties central to its biological activity.