Recombinant FKH02 protein (His tag)

Catalog Number	531099
Synonyms	Forkhead transcription factor family member fkh-2
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	Q22510
Gene ID	180663
Molecular Weight	Predictes a molecular mass of 15.65 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	89-211
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 89-211 aa (Q22510) 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 Forkhead box protein fkh-2 fragment (residues 89-211) from Caenorhabditis elegans, offering a stable and soluble unit optimized for structural and biochemical studies of this key transcription factor involved in development. Forkhead box protein fkh-2 is a transcription factor that plays a critical role in embryogenesis and later development in Caenorhabditis elegans, where it may act redundantly with forkhead protein pes-1. It functions within the nucleus, as indicated by its subcellular localization, and is essential for regulating developmental processes. This fragment represents a computationally selected region designed to enhance experimental utility while retaining relevance to the protein's biological context.