Recombinant DNJ2 protein (His tag)

Catalog Number	536030
Synonyms	DnaJ domain protein 2
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	Q17433
Gene ID	178043
Molecular Weight	Predictes a molecular mass of 14.05 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	25-126
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 25-126 aa (Q17433) 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 DnaJ homolog dnj-2 fragment (residues 25-126) from Caenorhabditis elegans, encompassing the complete J domain. This high-purity protein is an essential tool for investigating domain-specific molecular chaperone functions in cellular stress response mechanisms. The full-length DnaJ homolog dnj-2 is a multi-pass membrane protein localized to cellular membranes in C. elegans. As a DnaJ domain-containing protein, it functions as a co-chaperone that regulates Hsp70 activity in protein folding, trafficking, and quality control processes. The membrane association suggests roles in managing proteostasis for integral membrane proteins and cellular stress adaptation pathways.