Recombinant GCC2 protein (His tag)

Catalog Number	536683
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	P34562
Gene ID	176378
Molecular Weight	Predictes a molecular mass of 16.77 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 18 kDa band.

Product Information

Sequence Region	528-660
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 528-660 aa (P34562) 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 GRIP and coiled-coil domain-containing protein 2 (GCC-2) fragment (residues 528-660) from Caenororhabditis elegans. This 133-amino acid fragment encompasses the complete GRIP domain, providing an ideal tool for investigating domain-specific functions in intracellular trafficking and protein-protein interactions. GRIP and coiled-coil domain-containing protein 2 (GCC-2) is encoded by the gcc-2 gene in Caenorhabditis elegans. While specific functional and localization details are not fully characterized in the provided data, proteins containing GRIP domains typically function in membrane trafficking and Golgi apparatus organization. The GRIP domain (residues 585-636) contained within this fragment is known to mediate protein-protein interactions and membrane association in related proteins, suggesting GCC-2's potential involvement in intracellular transport processes.