Recombinant LON8 protein (His tag)

Catalog Number	534698
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	G5EGH7
Gene ID	190397
Molecular Weight	Predictes a molecular mass of 17.65 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 18 kDa band.

Product Information

Sequence Region	24-162
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 24-162 aa (G5EGH7) 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 Protein lon-8 (24-162) is a high-quality fragment derived from Caenorhabditis elegans, designed for structural and biochemical studies. This product captures a stable, soluble region of the secreted protein lon-8, which plays critical roles in larval elongation, early adult growth, and male tail development, offering researchers a reliable tool for investigating developmental biology pathways. Protein lon-8 is a secreted protein from Caenorhabditis elegans, as evidenced by experimental data (UniProt ID: G5EGH7). It is functionally involved in key developmental processes, including larval elongation, early adult growth, and male tail development, highlighting its importance in organismal morphogenesis and growth regulation. The protein's secretion enables it to act in extracellular contexts, potentially influencing cell signaling or tissue remodeling during development.