Recombinant PLPL7 protein (His tag)

Catalog Number	534780
Species	Caenorhabditis elegans
Expression System	E. coli
Accession	Q02331
Gene ID	176225
Molecular Weight	Predictes a molecular mass of 57.86 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 58 kDa band.

Product Information

Sequence Region	724-1220
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 724-1220 aa (Q02331) 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 fragment of Patatin-like phospholipase domain-containing protein ZK370.4 (EC 3.1.1.-) from Caenorhabditis elegans, encompassing residues 724-1220. This fragment includes the complete PNPLA domain (942-1108), making it an ideal tool for investigating domain-specific phospholipase functions in membrane-associated processes. The full-length Patatin-like phospholipase domain-containing protein ZK370.4 is a membrane-associated enzyme localized to cellular membranes and functions as a single-pass membrane protein. This recombinant fragment, spanning residues 724-1220, retains the PNPLA domain, enabling focused studies on phospholipase activity and membrane interactions in C. elegans and related biological systems.