Recombinant PHTF protein (His tag)

Catalog Number	534888
Species	Drosophila melanogaster
Expression System	E. coli
Accession	Q9V9A8
Gene ID	35583
Molecular Weight	Predictes a molecular mass of 9.83 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 10 kDa band.

Product Information

Sequence Region	777-847
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 777-847 aa (Q9V9A8) 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 phtf (777-847) is a high-quality, stable fragment derived from the Drosophila melanogaster phtf protein. This 71-amino acid fragment was computationally designed for optimal solubility and structural integrity, making it an ideal reagent for structural biology, biochemical assays, and functional studies. Protein phtf, encoded by the phtf gene in Drosophila melanogaster, is a multi-pass membrane protein localized to cellular membranes. While specific functional details are not fully characterized, its membrane association suggests potential roles in cellular transport, signaling, or membrane integrity. The selected fragment (residues 777-847) represents a stable, soluble region computationally optimized to facilitate experimental investigations into the protein's properties and interactions.