Recombinant PHTF2 protein (His tag)

Catalog Number	550698
Species	Human
Expression System	E. coli
Accession	Q8N3S3
Molecular Weight	Predictes a molecular mass of 9.91 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 10 kDa band.

Product Information

Sequence Region	689-759
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 689-759 aa (Q8N3S3) 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 Human PHTF2 Protein Fragment (689-759) is a highly stable and soluble 71-amino acid segment of the PHTF2 protein, specifically designed for structural biology and biochemical studies. This fragment was computationally optimized to ensure excellent expression and purification properties, making it an ideal tool for investigating protein function and interactions. The full-length PHTF2 protein is a multi-pass membrane protein localized to cellular membranes, as indicated by its subcellular location annotation. While specific functional details are not fully characterized, membrane-associated proteins like PHTF2 typically play crucial roles in cellular signaling, transport, and membrane organization processes. The selection of this specific fragment (residues 689-759) was based on computational predictions identifying it as a stable and soluble unit, facilitating experimental studies that would be challenging with the full-length membrane protein.