Recombinant PHTF1 protein (His tag)

Catalog Number	550259
Species	Human
Expression System	E. coli
Accession	Q9UMS5
Molecular Weight	Predictes a molecular mass of 11.36 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	533-610
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 533-610 aa (Q9UMS5) 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 PHTF1 (Fragment 533-610) is a high-quality, stable, and soluble fragment designed for structural and biochemical studies. This 78-amino acid fragment was computationally selected to facilitate research on the human PHTF1 protein, offering researchers a reliable tool for exploring protein interactions and functional mechanisms. Protein PHTF1, encoded by the PHTF1 gene in Homo sapiens, is a multi-pass membrane protein localized to the endoplasmic reticulum membrane and the cis-Golgi network membrane. These subcellular locations suggest potential roles in intracellular trafficking, membrane protein processing, or organelle-specific signaling pathways. The provided fragment (residues 533-610) represents a stable, soluble region of the protein, enabling focused investigations into its structural properties and biochemical behavior without domain-specific constraints.