Recombinant PIPSL protein (His tag)

Catalog Number	550820
Synonyms	PIP5K1A-PSMD4
Species	Human
Expression System	E. coli
Accession	A2A3N6
Molecular Weight	Predictes a molecular mass of 33.86 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 34 kDa band.

Product Information

Sequence Region	1-284
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 1-284 aa (A2A3N6) 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 PIP5K1A-PSMD4 (PIPSL) Fragment (1-284) - A highly soluble and stable protein fragment designed for structural and biochemical studies, representing a computationally optimized region of the PIP5K1A and PSMD4-like protein with ubiquitinated protein binding capability. The full-length Putative PIP5K1A and PSMD4-like protein (PIP5K1A-PSMD4), encoded by the PIPSL gene, exhibits negligible PIP5 kinase activity but functions as a binding partner for ubiquitinated proteins. This protein is localized primarily in the cytoplasm, where it likely participates in protein interaction networks involving ubiquitin signaling pathways. The ability to bind ubiquitinated proteins suggests potential roles in protein degradation, cellular signaling, or regulatory processes, making it an interesting target for studying ubiquitin-mediated cellular mechanisms.