Recombinant PLHD1 protein (His tag)

Catalog Number	551469
Synonyms	PH domain-containing family D member 1
Species	Human
Expression System	E. coli
Accession	A6NEE1
Molecular Weight	Predictes a molecular mass of 52.68 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 61 kDa band.

Product Information

Sequence Region	1-435
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 1-435 aa (A6NEE1) 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 PLEKHD1 (PH Domain-Containing Family D Member 1) Fragment (aa 1-435). This high-purity recombinant protein fragment is specifically designed to encompass the complete Pleckstrin Homology (PH) domain (aa 28-136), making it an ideal research tool for investigating PH domain-mediated protein-protein interactions, membrane targeting, and signaling functions in cellular studies. PLEKHD1 (Pleckstrin Homology Domain-Containing Family D Member 1) is a human protein containing a conserved Pleckstrin Homology (PH) domain. PH domains are modular protein domains known to bind phosphoinositide lipids and play crucial roles in membrane targeting, signal transduction, and cytoskeletal organization. While specific functional data for the full-length PLEKHD1 protein is not fully characterized in the provided information, proteins containing PH domains are typically involved in intracellular signaling pathways, membrane trafficking, and cellular regulation. This recombinant fragment provides researchers with a focused tool to study the specific biochemical and cellular functions of the PH domain within the context of PLEKHD1.