Recombinant PHLB1 protein (His tag)

Catalog Number	549557
Synonyms	Protein LL5-alpha
Species	Human
Expression System	E. coli
Accession	Q86UU1
Molecular Weight	Predictes a molecular mass of 29.50 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 31 kDa band.

Product Information

Sequence Region	1146-1377
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 1146-1377 aa (Q86UU1) 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 PHLDB1 (LL5-alpha) Fragment (aa 1146-1377) is a high-purity protein designed for functional studies of the Pleckstrin homology-like domain family B member 1. This 232-amino acid fragment fully encompasses the critical PH domain (aa 1256-1370), providing an ideal tool for investigating domain-specific interactions and signaling mechanisms in cellular processes. PHLDB1, also known as Protein LL5-alpha, is encoded by the gene PHLDB1 in Homo sapiens. While detailed functional and subcellular localization data are not specified here, proteins containing PH domains typically play roles in membrane targeting and signal transduction by binding to phosphoinositides. The inclusion of the complete PH domain in this fragment enables focused research on its contribution to the full-length protein's biological activities, supporting studies in cell biology and molecular signaling pathways.