Recombinant PLEK protein (His tag)

Catalog Number	542059
Synonyms	Platelet 47 kDa protein; p47
Species	Human
Expression System	E. coli
Accession	P08567
Molecular Weight	Predictes a molecular mass of 41.78 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 44 kDa band.

Product Information

Sequence Region	1-350
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 1-350 aa (P08567) 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 Pleckstrin (P47) Fragment (1-350) is a high-quality protein designed for studying the specific functions of the PH 1, DEP, and PH 2 domains. This fragment provides researchers with a targeted tool to investigate the role of Pleckstrin as a major protein kinase C substrate in platelets. Pleckstrin, encoded by the PLEK gene, is a 47 kDa protein that serves as a major protein kinase C substrate in platelets. As a key signaling molecule, it plays a critical role in platelet activation and intracellular signaling pathways. The full-length protein's function as a primary kinase C target highlights its importance in cellular regulation and signal transduction mechanisms relevant to hemostasis and thrombosis research.