Recombinant LIPA4 protein (His tag)

Catalog Number	549162
Synonyms	Protein tyrosine phosphatase receptor type f polypeptide-interacting protein alpha-4; PTPRF-interacting protein alpha-4
Species	Human
Expression System	E. coli
Accession	O75335
Molecular Weight	Predictes a molecular mass of 20.99 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 22 kDa band.

Product Information

Sequence Region	942-1105
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 942-1105 aa (O75335) 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 Liprin-alpha-4 Fragment (942-1105) - A high-purity protein fragment specifically designed to encompass the SAM 2 and SAM 3 domains of Liprin-alpha-4, providing researchers with an ideal tool for studying domain-specific functions in focal adhesion regulation and receptor localization. Liprin-alpha-4 (PPFIA4) is a human protein that plays a crucial role in regulating the disassembly of focal adhesions, which are essential structures for cell adhesion and migration. The protein functions by potentially localizing receptor-like tyrosine phosphatases type 2A at specific plasma membrane sites, thereby regulating their interaction with the extracellular environment and substrate associations. Liprin-alpha-4 is primarily localized in the cytoplasm and at the cell surface, where it colocalizes with PTPRF, suggesting its involvement in membrane-associated signaling complexes and cellular adhesion processes.