Recombinant LIPB2 protein (His tag)

Catalog Number	545469
Synonyms	Protein tyrosine phosphatase receptor type f polypeptide-interacting protein-binding protein 2; PTPRF-interacting protein-binding protein 2
Species	Human
Expression System	E. coli
Accession	Q8ND30
Molecular Weight	Predictes a molecular mass of 34.54 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 35 kDa band.

Product Information

Sequence Region	553-837
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 553-837 aa (Q8ND30) 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-beta-2 Fragment (553-837) - A high-purity protein fragment containing three complete SAM domains (SAM 1, SAM 2, SAM 3), specifically designed for studying domain-specific functions in focal adhesion regulation and protein-protein interactions. Liprin-beta-2 (PPFIBP2) is a human protein that functions as a regulator of focal adhesion disassembly, playing a crucial role in cellular adhesion dynamics. The protein, also known as PTPRF-interacting protein-binding protein 2, has been characterized through research that demonstrates its regulatory function in focal adhesion processes, though it does not interact with receptor-like tyrosine phosphatases type 2A. The full-length protein's involvement in adhesion regulation makes it significant for studying cell migration, cytoskeletal organization, and cellular signaling pathways.