Recombinant FRPD3 protein (His tag)

Catalog Number	550625
Species	Human
Expression System	E. coli
Accession	Q5JV73
Molecular Weight	Predictes a molecular mass of 13.93 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 15 kDa band.

Product Information

Sequence Region	1-111
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 1-111 aa (Q5JV73) 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 FERM and PDZ Domain-containing Protein 3 (FRMPD3) Fragment (residues 1-111) is a high-purity, functionally relevant protein designed to encompass the complete PDZ domain. This fragment serves as an essential tool for researchers investigating domain-specific interactions, signaling pathways, and molecular mechanisms involving PDZ-mediated protein-protein interactions. FERM and PDZ Domain-containing Protein 3 (FRMPD3), encoded by the FRMPD3 gene in Homo sapiens, is a multidomain protein that contains both FERM and PDZ domains. PDZ domains are critical protein interaction modules that typically recognize and bind to specific C-terminal motifs of partner proteins, facilitating the assembly of macromolecular complexes involved in cellular signaling, trafficking, and scaffolding. While the full functional summary and subcellular localization for FRMPD3 are not detailed here, proteins containing PDZ domains are generally implicated in organizing signaling complexes at specific subcellular sites, such as synapses, tight junctions, or other membrane-associated structures. The provided fragment, containing the complete PDZ domain (residues 21-98), enables focused study on the binding properties and functional roles mediated by this key domain.