Recombinant FRMD6 protein (His tag)

Catalog Number	545733
Synonyms	Willin
Species	Human
Expression System	E. coli
Accession	Q96NE9
Molecular Weight	Predictes a molecular mass of 43.71 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 44 kDa band.

Product Information

Sequence Region	1-351
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 1-351 aa (Q96NE9) 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 domain-containing protein 6 (Willin/FRMD6) fragment (amino acids 1-351), encompassing the complete FERM functional domain. This high-purity protein serves as an essential tool for investigating domain-specific functions in cellular signaling and structural studies. FERM domain-containing protein 6 (Willin), encoded by the FRMD6 gene, is a cytoplasmic protein that localizes to the cell membrane as a peripheral membrane protein on the cytoplasmic side. It demonstrates the ability to colocalize with actin, suggesting potential roles in cytoskeletal organization and membrane-cytoskeleton interactions. The full-length protein's membrane association and actin colocalization indicate involvement in cellular architecture and signaling pathways at the cell periphery.