Recombinant POTEF protein (His tag)

Catalog Number	546370
Synonyms	ANKRD26-like family C member 1B; Chimeric POTE-actin protein
Species	Human
Expression System	E. coli
Accession	A5A3E0
Molecular Weight	Predictes a molecular mass of 53.05 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 55 kDa band.

Product Information

Sequence Region	622-1075
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 622-1075 aa (A5A3E0) 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 POTE ankyrin domain family member F (POTEF) fragment (residues 622-1075) is a 454-amino acid protein designed for structural and biochemical studies. This chimeric POTE-actin protein fragment was computationally selected to ensure stability and solubility, making it an ideal tool for investigating protein interactions and cellular architecture. The full-length POTE ankyrin domain family member F (POTEF) is a human protein that localizes to the cytoplasm and cell cortex, where it colocalizes with actin filaments. This subcellular positioning suggests a potential role in cytoskeletal organization and cellular structure maintenance, though specific functional details are not fully characterized. The protein's association with actin implies involvement in cellular processes requiring cytoskeletal dynamics.