Recombinant POTB2 protein (His tag)

Catalog Number	551935
Species	Human
Expression System	E. coli
Accession	H3BUK9
Molecular Weight	Predictes a molecular mass of 29.55 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 31 kDa band.

Product Information

Sequence Region	87-332
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 87-332 aa (H3BUK9) 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	This product is a high-quality recombinant protein fragment of human POTE ankyrin domain family member B2 (POTEB2), encompassing residues 87-332. This 246-amino acid fragment was computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology studies and biochemical characterization. The full-length POTE ankyrin domain family member B2 protein is encoded by the POTEB2 gene in Homo sapiens. Members of the POTE family are primate-specific proteins often associated with cancer biology and cellular signaling pathways. While the specific molecular function and subcellular localization of POTEB2 are areas of active research, proteins in this family are of significant interest for their potential roles in disease mechanisms and normal cellular processes. This recombinant fragment provides a defined and tractable tool to advance the biochemical and structural understanding of this protein family.