Recombinant POTEC protein (His tag)

Catalog Number	549425
Synonyms	ANKRD26-like family B member 2; Prostate, ovary, testis-expressed protein on chromosome 18; POTE-18
Species	Human
Expression System	E. coli
Accession	B2RU33
Molecular Weight	Predictes a molecular mass of 29.47 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 30 kDa band.

Product Information

Sequence Region	125-369
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 125-369 aa (B2RU33) 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 C (POTEC) fragment (residues 125-369) is a high-purity protein designed for structural and biochemical studies. This 245-amino acid fragment was computationally optimized for stability and solubility, offering researchers a reliable tool to investigate the molecular features of the POTE-18 protein. POTE ankyrin domain family member C, encoded by the POTEC gene, is a member of the ANKRD26-like family B and is also known as prostate, ovary, testis-expressed protein on chromosome 18 (POTE-18). While specific functional and subcellular localization data are not fully characterized, proteins in this family are often implicated in cellular processes relevant to tissue-specific expression. This fragment provides a focused approach to explore the protein's properties without the complexities of the full-length form.