Recombinant POTEE protein (His tag)

Catalog Number	540539
Synonyms	ANKRD26-like family C member 1A; Prostate, ovary, testis-expressed protein on chromosome 2; POTE-2
Species	Human
Expression System	E. coli
Accession	Q6S8J3
Molecular Weight	Predictes a molecular mass of 52.66 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 55 kDa band.

Product Information

Sequence Region	625-1075
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 625-1075 aa (Q6S8J3) 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 E (POTEE) fragment (residues 625-1075) is a high-quality protein product designed for structural biology and biochemical studies. This 451-amino acid fragment was computationally selected to ensure optimal stability and solubility, making it an ideal tool for investigating protein function and interactions in research applications. POTE ankyrin domain family member E (also known as ANKRD26-like family C member 1A or POTE-2) is a human protein encoded by the POTEE gene. While specific functional details and subcellular localization information are not fully characterized in the provided data, proteins in the POTE family are known to be expressed in multiple tissues including prostate, ovary, and testis. The full-length protein's significance in cellular processes continues to be an active area of investigation in biomedical research.