Recombinant POF1B protein (His tag)

Catalog Number	540875
Synonyms	Premature ovarian failure protein 1B
Species	Human
Expression System	E. coli
Accession	Q8WVV4
Molecular Weight	Predictes a molecular mass of 41.20 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 46 kDa band.

Product Information

Sequence Region	253-589
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 253-589 aa (Q8WVV4) 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 Protein POF1B (253-589) is a high-quality, stable fragment of the premature ovarian failure protein 1B, designed for structural and biochemical studies. This 337-amino acid fragment offers researchers a soluble and functional unit ideal for investigating cytoskeletal regulation and epithelial organization. Protein POF1B plays a critical role in the organization of epithelial monolayers by regulating the actin cytoskeleton and may be involved in ovary development. It localizes to tight junctions in cells, underscoring its importance in cellular structure and integrity. This recombinant fragment provides a focused tool for exploring these key biological processes without the complexities of the full-length protein.