Recombinant SPD13 protein (His tag)

Catalog Number	551905
Species	Human
Expression System	E. coli
Accession	A0A494C0Z2
Molecular Weight	Predictes a molecular mass of 21.50 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 22 kDa band.

Product Information

Sequence Region	104-265
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 104-265 aa (A0A494C0Z2) 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	Introducing the Speedy protein E13 (SPDYE13) Fragment (104-265), a high-quality recombinant protein derived from human origin. This 162-amino acid fragment has been computationally designed to provide a stable and soluble unit, making it an ideal reagent for structural biology studies, biochemical characterization, and functional assays. The full-length Speedy protein E13 (SPDYE13) is encoded by the human gene of the same name. While specific functional and subcellular localization data are still under investigation, proteins within the Speedy/Ringo family are known to play critical roles in cell cycle regulation, particularly in controlling the G2/M transition and meiotic processes. This fragment represents a strategically selected, stable region of the protein, enabling researchers to probe its biochemical properties and advance understanding of its cellular role.