Recombinant SPD16 protein (His tag)

Catalog Number	551327
Synonyms	Speedy/RINGO cell cycle regulator family member E16
Species	Human
Expression System	E. coli
Accession	A6NNV3
Molecular Weight	Predictes a molecular mass of 21.49 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 22 kDa band.

Product Information

Sequence Region	190-352
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 190-352 aa (A6NNV3) 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 Speedy protein E16 (SPDYE16), encompassing amino acids 190-352. This 163-amino acid fragment has been computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology studies, biochemical characterization, and functional assays targeting this key cell cycle regulator. Speedy protein E16 is a member of the Speedy/RINGO family of cell cycle regulators. While a specific functional summary and subcellular location for the full-length protein were not provided, proteins in this family are generally known to play crucial roles in controlling cell cycle progression, particularly in the regulation of cyclin-dependent kinases (CDKs). They are involved in critical cellular processes such as cell division, proliferation, and development, making them significant targets for research in cancer biology, developmental biology, and cellular signaling pathways.