Recombinant SPD18 protein (His tag)

Catalog Number	551820
Species	Human
Expression System	E. coli
Accession	P0DV79
Molecular Weight	Predictes a molecular mass of 21.36 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 22 kDa band.

Product Information

Sequence Region	191-352
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 191-352 aa (P0DV79) 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 E18 (SPDYE18) Recombinant Fragment (191-352), a high-purity, soluble protein fragment designed for structural biology and functional studies. This 162-amino acid fragment represents a computationally optimized, stable region of the human protein, providing an ideal tool for researchers investigating protein interactions and biochemical mechanisms. The full-length Speedy protein E18 is encoded by the SPDYE18 gene in Homo sapiens. While specific functional data and subcellular localization for this protein are not fully characterized, proteins in the Speedy family are generally involved in cell cycle regulation. This recombinant fragment, encompassing residues 191-352, was selected based on structural predictions to ensure high solubility and stability, making it particularly suitable for experimental applications where the full-length protein may be challenging to work with.