Recombinant SPD15 protein (His tag)

Catalog Number	551516
Species	Human
Expression System	E. coli
Accession	P0DUD4
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	>85%, 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 (P0DUD4) 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 E15 (SPDYE15) Recombinant Fragment (aa 104-265), a highly stable and soluble 162-amino acid protein unit designed for structural biology and functional studies. This human-derived fragment is computationally optimized for superior performance in biochemical assays. The full-length Speedy protein E15 (SPDYE15) is encoded by the human gene of the same name and is cataloged under UniProt ID P0DUD4. While specific functional and subcellular localization data for this protein are not fully characterized, it represents a target of interest within the human proteome. The provided fragment (amino acids 104-265) was selected based on computational structural predictions to ensure it forms a stable, soluble, and well-folded domain, making it an ideal reagent for initial structural characterization and biochemical analysis to elucidate the protein's role.