Recombinant SPDE4 protein (His tag)

Catalog Number	548641
Species	Human
Expression System	E. coli
Accession	A6NLX3
Molecular Weight	Predictes a molecular mass of 20.68 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 21 kDa band.

Product Information

Sequence Region	80-237
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 80-237 aa (A6NLX3) 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 Speedy protein E4 (SPDYE4) fragment (80-237) is a high-purity, stable protein preparation designed for structural biology and biochemical studies. This 158-amino acid fragment was computationally optimized for enhanced solubility and stability, making it an ideal tool for investigating protein function and interactions. Speedy protein E4 is encoded by the SPDYE4 gene in Homo sapiens. The specific biological function and subcellular localization of the full-length protein are not fully characterized in the provided data. This recombinant fragment represents a strategically selected portion of the protein that maintains structural integrity for research applications.