Recombinant CCD69 protein (His tag)

Catalog Number	549419
Species	Human
Expression System	E. coli
Accession	A6NI79
Molecular Weight	Predictes a molecular mass of 31.03 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 37 kDa band.

Product Information

Sequence Region	50-296
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 50-296 aa (A6NI79) 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 recombinant human Coiled-coil domain-containing protein 69 (CCDC69) fragment (residues 50-296), a stable and soluble protein unit designed for structural and biochemical studies. This fragment supports research into spindle midzone assembly and mitotic regulation, offering a reliable tool for investigating cell division mechanisms. The full-length Coiled-coil domain-containing protein 69 (CCDC69) functions as a scaffold protein essential for regulating the recruitment and assembly of spindle midzone components during cell division. It is required for the proper localization of key mitotic kinases AURKB and PLK1 to the spindle midzone, ensuring accurate chromosomal segregation. CCDC69 localizes to the cytoplasm, cytoskeleton, and spindle, specifically accumulating at the spindle midzone during anaphase and the midbody during telophase, highlighting its critical role in cytokinesis and mitotic progression.