Recombinant CCD81 protein (His tag)

Catalog Number	549801
Species	Human
Expression System	E. coli
Accession	Q6ZN84
Molecular Weight	Predictes a molecular mass of 40.97 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 45 kDa band.

Product Information

Sequence Region	326-652
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 326-652 aa (Q6ZN84) 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 Human Coiled-coil domain-containing protein 81 (CCDC81) fragment (aa 326-652) is a high-quality protein preparation designed for structural and biochemical research. This 327-amino acid fragment represents a stable, soluble domain computationally optimized for experimental applications, providing researchers with a reliable tool to investigate CCDC81 function. Coiled-coil domain-containing protein 81 (CCDC81) is a human protein localized to the cytoplasm, specifically associated with the cytoskeleton, microtubule organizing center, and centrosome. The subcellular localization suggests CCDC81 plays important roles in cellular organization and division processes. While specific functional details require further investigation, its centrosomal association indicates potential involvement in microtubule organization and cell cycle regulation, making it a protein of interest for cell biology and cancer research.