Recombinant CC28B protein (His tag)

Catalog Number	545828
Species	Human
Expression System	E. coli
Accession	Q9BUN5
Molecular Weight	Predictes a molecular mass of 15.89 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 20 kDa band.

Product Information

Sequence Region	76-200
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 76-200 aa (Q9BUN5) 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 Coiled-coil domain-containing protein 28B (CCDC28B) fragment (residues 76-200), a highly stable and soluble protein unit derived from human CCDC28B. This fragment is expertly designed for investigating ciliogenesis and mTORC2 complex regulation, offering researchers a reliable tool for structural and biochemical studies. Coiled-coil domain-containing protein 28B (CCDC28B) is a human protein that plays a critical role in ciliogenesis by regulating cilia length through its interaction with MAPKAP1/SIN1, independently of the mTORC2 complex. It modulates mTORC2 complex assembly and function, potentially enhancing AKT1 phosphorylation, while not affecting the mTORC1 complex. CCDC28B is localized in the cytoplasm, specifically at the cytoskeleton, microtubule organizing center, and centrosome, where it is found near centrosomes and basal bodies, underscoring its importance in cellular structure and signaling pathways.