Recombinant CCD82 protein (His tag)

Catalog Number	550959
Species	Human
Expression System	E. coli
Accession	Q8N4S0
Molecular Weight	Predictes a molecular mass of 26.92 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 28 kDa band.

Product Information

Sequence Region	335-544
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 335-544 aa (Q8N4S0) 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 82 (CCDC82) fragment (residues 335-544) is a high-quality, stable protein product designed for structural and biochemical studies. This 210-amino acid fragment was computationally optimized for solubility and stability, making it an ideal tool for investigating protein interactions and functional mechanisms in research applications. Coiled-coil domain-containing protein 82, encoded by the CCDC82 gene in Homo sapiens, is a protein whose specific functional roles and subcellular localization are still under investigation. As a member of the coiled-coil domain-containing protein family, it is anticipated to participate in critical cellular processes such as structural organization, intracellular transport, or molecular scaffolding, though detailed mechanistic insights remain to be fully elucidated. The absence of specific functional or localization data highlights the importance of research tools like this recombinant fragment to advance understanding of CCDC82's biological significance.