Recombinant CC157 protein (His tag)

Catalog Number	551830
Species	Human
Expression System	E. coli
Accession	Q569K6
Molecular Weight	Predictes a molecular mass of 38.23 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 44 kDa band.

Product Information

Sequence Region	221-540
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 221-540 aa (Q569K6) 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	This product is a high-quality recombinant protein fragment of human Coiled-coil domain-containing protein 157 (CCDC157), encompassing amino acids 221-540. This 320-amino acid fragment was computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology studies, biochemical characterization, and functional assay development. Coiled-coil domain-containing protein 157, encoded by the CCDC157 gene, is a human protein of significant research interest. While the specific molecular function and subcellular localization of the full-length protein are areas of active investigation, proteins containing coiled-coil domains are typically involved in critical cellular processes such as structural organization, molecular scaffolding, and protein-protein interactions. This recombinant fragment provides a valuable tool for researchers to elucidate the structure and function of this protein, contributing to a deeper understanding of its biological role.