Recombinant CC180 protein (His tag)

Catalog Number	551286
Species	Human
Expression System	E. coli
Accession	Q9P1Z9
Molecular Weight	Predictes a molecular mass of 58.61 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 65 kDa band.

Product Information

Sequence Region	178-658
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 178-658 aa (Q9P1Z9) 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 180 (CCDC180), spanning residues 178-658. This 481-amino acid fragment has been computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology studies and biochemical characterization. The full-length Coiled-coil domain-containing protein 180 (CCDC180) is encoded by the CCDC180 gene in Homo sapiens. While specific functional and subcellular localization data for this protein are not fully characterized, proteins containing coiled-coil domains are typically involved in critical cellular processes such as structural organization, molecular recognition, and signal transduction. The study of such proteins is important for advancing our understanding of fundamental cell biology. The provided fragment represents a stable, soluble unit selected to facilitate experimental investigation into the properties of this protein.