Recombinant CC121 protein (His tag)

Catalog Number	551555
Species	Human
Expression System	E. coli
Accession	Q6ZUS5
Molecular Weight	Predictes a molecular mass of 34.72 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 36 kDa band.

Product Information

Sequence Region	1-278
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 1-278 aa (Q6ZUS5) 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 121 (CCDC121). The fragment encompasses residues 1-278, representing a computationally selected, stable, and soluble unit of the protein, making it an ideal reagent for structural biology studies, biochemical characterization, and functional assays. Coiled-coil domain-containing protein 121 (CCDC121) is a human protein encoded by the CCDC121 gene. While specific functional data and subcellular localization for the full-length protein are not yet 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 CCDC121 and its domains is therefore significant for advancing our understanding of fundamental cell biology. The provided fragment (1-278) has been rationally designed to facilitate experimental investigation into the properties and potential interactions of this protein.