Recombinant CC175 protein (His tag)

Catalog Number	551658
Species	Human
Expression System	E. coli
Accession	P0C221
Molecular Weight	Predictes a molecular mass of 26.69 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 30 kDa band.

Product Information

Sequence Region	72-282
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 72-282 aa (P0C221) 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 175 (CCDC175). The fragment corresponds to amino acids 72-282, a stable and soluble 211-amino acid unit computationally designed for optimal performance in structural biology and biochemical assays. Coiled-coil domain-containing protein 175 (CCDC175), encoded by the CCDC175 gene, is a human protein of interest in cellular research. 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, advancing understanding of its biological role.