Recombinant CC191 protein (His tag)

Catalog Number	552005
Species	Human
Expression System	E. coli
Accession	Q8NCU4
Molecular Weight	Predictes a molecular mass of 38.77 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 45 kDa band.

Product Information

Sequence Region	138-442
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 138-442 aa (Q8NCU4) 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 191 (CCDC191), encompassing amino acids 138-442. The 305-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 191 (CCDC191) is a human protein encoded by the CCDC191 gene (UniProt ID: Q8NCU4). While a detailed functional summary and subcellular localization for the full-length protein are not fully characterized, proteins containing coiled-coil domains are typically involved in critical cellular processes such as structural organization, molecular scaffolding, and protein-protein interactions. The study of CCDC191 and its functional domains is therefore significant for understanding its potential role in cellular architecture and signaling pathways. The provided recombinant fragment offers a tractable tool to advance this research.