Recombinant CC172 protein (His tag)

Catalog Number	546730
Species	Human
Expression System	E. coli
Accession	P0C7W6
Molecular Weight	Predictes a molecular mass of 32.69 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 40 kDa band.

Product Information

Sequence Region	1-258
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 1-258 aa (P0C7W6) 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	Recombinant Human Coiled-coil domain-containing protein 172 (CCDC172) fragment (residues 1-258) is a high-quality, stable protein designed for structural and biochemical research. This soluble fragment represents a key functional domain, ideal for investigating ciliary and flagellar biology. Coiled-coil domain-containing protein 172, encoded by the CCDC172 gene, is localized in the cytoplasm and cell projections such as cilia. In spermatozoa, it is predominantly found in the mitochondrial sheath of flagella and to a lesser extent with outer dense fibers, and it colocalizes with TEKT2 at the perinuclear region. This protein is implicated in the structural organization and function of cilia and flagella, which are critical for cellular motility and signaling.