Recombinant CC178 protein (His tag)

Catalog Number	551142
Species	Human
Expression System	E. coli
Accession	Q5BJE1
Molecular Weight	Predictes a molecular mass of 55.30 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 65 kDa band.

Product Information

Sequence Region	160-613
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 160-613 aa (Q5BJE1) 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 178 (CCDC178) fragment (residues 160-613) is a highly stable and soluble protein unit, ideal for structural biology and biochemical studies. This 454-amino acid fragment was computationally optimized to facilitate research into protein function and interactions. Coiled-coil domain-containing protein 178, encoded by the CCDC178 gene, is a human protein whose specific biological function and subcellular localization remain to be fully characterized. As a member of the coiled-coil domain-containing protein family, it is anticipated to play roles in cellular structure, organization, or molecular interactions, though detailed mechanistic insights require further investigation.