Recombinant CCD12 protein (His tag)

Catalog Number	550467
Species	Human
Expression System	E. coli
Accession	Q8WUD4
Molecular Weight	Predictes a molecular mass of 20.83 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 26 kDa band.

Product Information

Sequence Region	1-166
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 1-166 aa (Q8WUD4) 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 12 (CCDC12) fragment (amino acids 1-166) is a high-quality protein designed for structural and biochemical studies. This fragment was computationally selected to ensure stability and solubility, providing an ideal tool for investigating protein interactions and domain architecture. Coiled-coil domain-containing protein 12 (CCDC12), encoded by the CCDC12 gene in Homo sapiens, is a protein whose specific function and subcellular localization are currently under investigation. As a member of the coiled-coil domain-containing protein family, it is anticipated to play roles in cellular structure organization, molecular scaffolding, or regulatory complexes, though detailed mechanistic insights remain to be fully elucidated. The UniProt accession Q8WUD4 provides reference information for further research into its biological significance.