Recombinant CC188 protein (His tag)

Catalog Number	551802
Species	Human
Expression System	E. coli
Accession	H7C350
Molecular Weight	Predictes a molecular mass of 15.72 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	226-346
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 226-346 aa (H7C350) 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 188 (CCDC188) Fragment (aa 226-346) is a high-purity, soluble protein fragment designed for structural and biochemical studies. This 121-amino acid fragment was computationally selected for optimal stability and solubility, providing a reliable tool for investigating the properties of this membrane-associated protein. Coiled-coil domain-containing protein 188 (CCDC188) is a human protein encoded by the CCDC188 gene. The full-length protein is localized to the membrane and is characterized as a single-pass membrane protein, suggesting potential roles in membrane structure, signaling, or transport processes. The specific biological function of CCDC188 remains to be fully elucidated, making it an interesting target for research into novel cellular mechanisms. This recombinant fragment offers researchers a tractable, soluble unit of the protein to facilitate initial characterization studies.