Recombinant CC116 protein (His tag)

Catalog Number	540707
Species	Human
Expression System	E. coli
Accession	Q8IYX3
Molecular Weight	Predictes a molecular mass of 10.59 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	432-508
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 432-508 aa (Q8IYX3) 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 116 (CCDC116) fragment (residues 432-508) is a 77-amino acid protein designed for structural and biochemical studies. This fragment was computationally selected to ensure stability and solubility, making it an ideal tool for investigating the protein's functional domains and interactions. Coiled-coil domain-containing protein 116 (CCDC116), encoded by the CCDC116 gene in Homo sapiens, is localized to the cytoplasm, cytoskeleton, microtubule organizing center, and centrosome, as supported by experimental evidence (ECO:0000269|PubMed:25074808). This subcellular localization suggests a potential role in cellular organization, centrosome function, or microtubule dynamics, though specific functional details are not fully characterized. The provided fragment offers a focused approach to explore the protein's structural properties and its contributions to cellular architecture.