Recombinant C102A protein (His tag)

Catalog Number	551430
Species	Human
Expression System	E. coli
Accession	Q96A19
Molecular Weight	Predictes a molecular mass of 31.97 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 40 kDa band.

Product Information

Sequence Region	246-504
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 246-504 aa (Q96A19) 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	This product is a high-purity recombinant protein fragment of human Coiled-coil domain-containing protein 102A (CCDC102A), spanning residues 246-504. This 259-amino acid fragment was computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology studies and biochemical characterization. The full-length Coiled-coil domain-containing protein 102A is encoded by the CCDC102A gene in humans (UniProt ID: Q96A19). As a member of the coiled-coil domain-containing protein family, it is implicated in various cellular processes, though its precise molecular function and subcellular localization remain areas of active research. This recombinant fragment provides a valuable tool for researchers aiming to elucidate the structure and function of this protein.