Recombinant CCD87 protein (His tag)

Catalog Number	550508
Species	Human
Expression System	E. coli
Accession	Q9NVE4
Molecular Weight	Predictes a molecular mass of 22.10 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 22 kDa band.

Product Information

Sequence Region	676-849
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 676-849 aa (Q9NVE4) 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 87 (CCDC87) fragment (residues 676-849) is a high-quality, soluble protein designed for structural and functional studies. This 174-amino acid fragment, derived from the human CCDC87 gene, is critical for investigating its role in spermatogenesis and male fertility, offering researchers a stable and reliable tool for biochemical and structural analyses. The full-length Coiled-coil domain-containing protein 87 (CCDC87) plays an essential role in spermatogenesis, where it is necessary for normal sperm head morphology. Additionally, it is required for the acrosome reaction, a key process in fertilization, and thus contributes to normal male fertility. This protein is implicated in reproductive biology, with studies supporting its importance in ensuring proper sperm function and overall fertility outcomes. The subcellular localization of CCDC87 is not specified in the provided data, but its functions highlight its significance in cellular processes related to male reproductive health.