Recombinant CCD86 protein (His tag)

Catalog Number	541263
Synonyms	Cytokine-induced protein with coiled-coil domain
Species	Human
Expression System	E. coli
Accession	Q9H6F5
Molecular Weight	Predictes a molecular mass of 16.60 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 17 kDa band.

Product Information

Sequence Region	239-360
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 239-360 aa (Q9H6F5) 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	Introducing the recombinant human Coiled-coil domain-containing protein 86 (CCDC86) fragment (residues 239-360), a high-quality protein designed for structural and biochemical studies. This fragment represents a stable, soluble unit of CCDC86, essential for advancing research into mitotic regulation and chromosome segregation. Coiled-coil domain-containing protein 86 (CCDC86) is a human protein critical for proper chromosome segregation during mitosis and error-free mitotic progression, as supported by experimental evidence (PubMed:36695333). It localizes to the nucleus, nucleolus during interphase, and the perichromosomal layer during mitosis, with enrichment in anaphase, and colocalizes with MKI67 during interphase and mitotic exit (PubMed:17300783, 36695333). This protein plays a key role in ensuring accurate cell division, highlighting its importance in cellular biology and potential implications for understanding mitotic errors.