Recombinant CC124 protein (His tag)

Catalog Number	543357
Species	Human
Expression System	E. coli
Accession	Q96CT7
Molecular Weight	Predictes a molecular mass of 27.49 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 32 kDa band.

Product Information

Sequence Region	1-223
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 1-223 aa (Q96CT7) 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 124 (CCDC124) fragment (amino acids 1-223) is a high-quality protein product designed for structural and functional studies. This fragment represents a stable and soluble unit of CCDC124, optimized for research applications investigating ribosome hibernation and cell division mechanisms. Coiled-coil domain-containing protein 124 (CCDC124) is a ribosome-binding protein that plays a crucial role in ribosome preservation and storage by associating with translationally inactive ribosomes and stabilizing their nonrotated conformation. Additionally, CCDC124 is required for proper progression through late cytokinetic stages during cell division. The protein localizes to the cytoplasm, cytoskeleton, microtubule organizing center, centrosome, and midbody, with dynamic relocation from centrosome to midbody during telophase, highlighting its importance in cellular division processes.