Recombinant CC174 protein (His tag)

Catalog Number	548988
Species	Human
Expression System	E. coli
Accession	Q6PII3
Molecular Weight	Predictes a molecular mass of 38.06 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 46 kDa band.

Product Information

Sequence Region	1-308
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 1-308 aa (Q6PII3) 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 174 (CCDC174) fragment (residues 1-308) is a high-quality protein product designed for structural and biochemical research. This fragment represents a stable, soluble unit of CCDC174, which is implicated in neuronal development, offering researchers a reliable tool for functional and mechanistic studies. The full-length Coiled-coil domain-containing protein 174 (CCDC174), encoded by the CCDC174 gene in Homo sapiens, is involved in neuronal development, as supported by experimental evidence. It localizes to the nucleus, where it colocalizes with EIF4A3, a component of the exon junction complex, suggesting a potential role in RNA processing or regulation within neuronal cells. This nuclear association underscores its importance in neurodevelopmental pathways and highlights its relevance for studies in neuroscience and cell biology.