Recombinant CFA73 protein (His tag)

Catalog Number	551917
Synonyms	Coiled-coil domain-containing protein 42B
Species	Human
Expression System	E. coli
Accession	A6NFT4
Molecular Weight	Predictes a molecular mass of 37.58 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 41 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 (A6NFT4) 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 Cilia- and Flagella-Associated Protein 73 (CFAP73), encompassing amino acids 1-308, is a high-purity, stable protein fragment designed for structural and functional studies of ciliary motility regulation. Cilia- and flagella-associated protein 73 (CFAP73), also known as coiled-coil domain-containing protein 42B, is encoded by the CFAP73 gene in humans. Based on evidence from orthologs, the full-length protein is localized to the cytoplasm and specifically to the cilium axoneme, a core structural component of cilia and flagella. It is implicated in regulating the assembly and activity of the axonemal inner dynein arm, a critical motor complex. This function suggests CFAP73 plays a key role in the precise control of ciliary and flagellar beating, processes essential for cellular motility, fluid movement, and sensory signaling. The provided recombinant fragment (1-308) represents a computationally selected, stable, and soluble unit of the protein, ideal for investigating its biochemical properties and structural features.