Recombinant CFA57 protein (His tag)

Catalog Number	543401
Synonyms	WD repeat-containing protein 65
Species	Human
Expression System	E. coli
Accession	Q96MR6
Molecular Weight	Predictes a molecular mass of 28.43 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 28 kDa band.

Product Information

Sequence Region	1-234
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 1-234 aa (Q96MR6) 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 CFAP57 (1-234) is a high-quality protein fragment derived from Cilia- and flagella-associated protein 57, a key regulator of ciliary and flagellar motility. This 234-amino acid fragment was computationally designed for stability and solubility, making it ideal for structural studies and biochemical assays. Cilia- and flagella-associated protein 57 (CFAP57), encoded by the CFAP57 gene in humans, associates with components of the nexin-dynein regulatory complex (N-DRC), which is crucial for regulating ciliary and flagellar motility. It may function as an inner dynein arm (IDA) hub or linkage, contributing to the precise control of ciliary movement. The protein is localized to the cytoplasm, specifically within the cytoskeleton and cilium axoneme, underscoring its role in the structural and functional integrity of motile cilia and flagella.