Recombinant CF276 protein (His tag)

Catalog Number	547442
Species	Human
Expression System	E. coli
Accession	Q5T5A4
Molecular Weight	Predictes a molecular mass of 13.00 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 13 kDa band.

Product Information

Sequence Region	1-97
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 1-97 aa (Q5T5A4) 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 CFAP276 Fragment (1-97) is a high-purity, soluble protein derived from human Cilia- and flagella-associated protein 276. This fragment is optimized for structural and biochemical studies, offering researchers a stable tool to investigate microtubule-associated functions and ciliary dynamics. Cilia- and flagella-associated protein 276 (CFAP276) is a microtubule inner protein integral to dynein-decorated doublet microtubules in cilia axonemes, where it supports motile cilia beating. It also contributes to myelin-axon integrity maintenance and may influence intracellular calcium homeostasis. The protein localizes to the cytoplasm, cytoskeleton, and specifically to the axonemes of cilia and flagella, underscoring its role in cellular motility and structural organization. This recombinant fragment represents a stable, soluble region ideal for probing CFAP276's molecular mechanisms.