Recombinant CFA36 protein (His tag)

Catalog Number	547957
Synonyms	Coiled-coil domain-containing protein 104
Species	Human
Expression System	E. coli
Accession	Q96G28
Molecular Weight	Predictes a molecular mass of 22.85 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 29 kDa band.

Product Information

Sequence Region	1-182
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 1-182 aa (Q96G28) 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 CFAP36 (Cilia- and flagella-associated protein 36) Fragment (aa 1-182) is a high-quality protein product designed for structural and biochemical studies. This 182-amino acid fragment represents a stable, soluble unit of CFAP36, optimized for experimental applications to investigate its potential role as an effector for ARL3 in ciliary and flagellar function. CFAP36, also known as coiled-coil domain-containing protein 104, is a human protein implicated in cellular processes involving cilia and flagella. Based on functional annotations, it may act as an effector for ARL3, a small GTPase involved in regulating cargo transport within cilia. The protein localizes to the nucleus, cytoplasm, and specifically to cell projections such as cilia and flagella, suggesting roles in cellular signaling, motility, or sensory functions. This recombinant fragment enables focused research on CFAP36's mechanistic contributions to ciliary biology without interference from full-length protein complexity.