Recombinant CF337 protein (His tag)

Catalog Number	550438
Synonyms	WD repeat-containing protein 49
Species	Human
Expression System	E. coli
Accession	Q8IV35
Molecular Weight	Predictes a molecular mass of 18.36 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 18 kDa band.

Product Information

Sequence Region	722-872
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 722-872 aa (Q8IV35) 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 CFAP337 (722-872) Fragment: A high-quality, soluble protein fragment derived from human Cilia- and flagella-associated protein 337, designed for structural and functional studies of ciliary motility regulation. Cilia- and flagella-associated protein 337 (CFAP337), also known as WD repeat-containing protein 49, is a component of the nexin-dynein regulatory complex (N-DRC), which plays a critical role in controlling ciliary and flagellar motility. It is proposed to function as an inner dynein arm (IDA) hub or linkage, contributing to the coordination of dynein activity. The protein is localized specifically to the cell projection cilium, underscoring its importance in ciliary function and motility-related processes. This recombinant fragment (residues 722-872) represents a stable, soluble region selected for experimental applications in elucidating CFAP337's molecular mechanisms.