Recombinant CFA99 protein (His tag)

Catalog Number	551644
Species	Human
Expression System	E. coli
Accession	D6REC4
Molecular Weight	Predictes a molecular mass of 30.57 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 31 kDa band.

Product Information

Sequence Region	1-249
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 1-249 aa (D6REC4) 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 CFAP99 (Cilia- and flagella-associated protein 99) Fragment (aa 1-249). This high-quality, soluble protein fragment is designed for structural and functional studies, offering a stable and well-expressed unit ideal for biochemical characterization and interaction analyses. Cilia- and flagella-associated protein 99 (CFAP99), encoded by the gene CFAP99, is a human protein localized to cell projections, specifically cilia and flagella. This subcellular localization strongly suggests a functional role in the structure, assembly, or motility of these critical organelles. Cilia and flagella are essential for cellular motility, sensory perception, and signal transduction, making proteins like CFAP99 important subjects of study in cell biology, developmental processes, and associated disorders. The provided recombinant fragment (amino acids 1-249) represents a computationally optimized, stable domain selected to facilitate experimental investigation into this protein's properties.