Recombinant CF119 protein (His tag)

Catalog Number	550302
Synonyms	Coiled-coil domain-containing protein 189
Species	Human
Expression System	E. coli
Accession	A1A4V9
Molecular Weight	Predictes a molecular mass of 20.75 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 21 kDa band.

Product Information

Sequence Region	68-231
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 68-231 aa (A1A4V9) 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 CFAP119 protein fragment (68-231) from Homo sapiens, representing a stable and soluble domain of Cilia- and flagella-associated protein 119, ideal for structural biology and functional studies of ciliary and flagellar components. Cilia- and flagella-associated protein 119 (CFAP119), also known as Coiled-coil domain-containing protein 189, is localized to cell projections including cilia and flagella, as well as cytoplasmic vesicles, secretory vesicles, and the acrosome. In elongated spermatids, the protein is enriched in the principal piece of flagella where it exhibits peri-axonemal distribution. Notably, CFAP119 disappears from sperm heads upon acrosome reaction, suggesting a specialized role in sperm function and flagellar structure. The protein's specific localization to motile cellular projections indicates its importance in ciliary and flagellar biology.