Recombinant CF300 protein (His tag)

Catalog Number	549628
Species	Human
Expression System	E. coli
Accession	Q9BRQ4
Molecular Weight	Predictes a molecular mass of 32.52 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 33 kDa band.

Product Information

Sequence Region	1-267
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 1-267 aa (Q9BRQ4) 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 CFAP300 protein fragment (residues 1-267) from Homo sapiens, designed for structural and biochemical studies. This fragment represents a stable and soluble unit of the cilia- and flagella-associated protein 300, essential for investigating axonemal organization and motility mechanisms. Cilia- and flagella-associated protein 300 (CFAP300) is a cilium- and flagellum-specific protein that plays a critical role in organizing axonemal structure and facilitating motility. It is implicated in the assembly of both outer and inner dynein arms, which are vital for the movement of cilia and flagella. The protein localizes to the cytoplasm and specifically to the cilium axoneme, highlighting its direct involvement in cytoskeletal functions within motile cellular projections. This recombinant fragment spans the full predicted structural domain (residues 1-267), providing a reliable tool for exploring CFAP300's molecular interactions and contributions to ciliary function.