Recombinant DAAF3 protein (His tag)

Catalog Number	547761
Species	Human
Expression System	E. coli
Accession	Q8N9W5
Molecular Weight	Predictes a molecular mass of 52.78 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 53 kDa band.

Product Information

Sequence Region	1-458
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 1-458 aa (Q8N9W5) 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 Dynein Axonemal Assembly Factor 3 (DNAAF3) Fragment (1-458) is a high-quality, soluble protein designed for structural and functional studies. This 458-amino acid fragment, computationally optimized for stability and solubility, supports research into dynein arm assembly mechanisms and ciliary function. Dynein Axonemal Assembly Factor 3 (DNAAF3), encoded by the DNAAF3 gene in Homo sapiens, is essential for the assembly of both inner and outer axonemal dynein arms. It functions in the cytoplasm, where it participates in the preassembly of dynein complexes prior to their transport into cilia, a critical step for proper ciliary motility and function. This protein localizes to dynein axonemal particles, underscoring its role in cytoplasmic dynein complex formation, as supported by experimental evidence (PubMed:22387996).