Recombinant DAA10 protein (His tag)

Catalog Number	548822
Synonyms	WD repeat-containing protein 92; WD repeat-containing protein Monad
Species	Human
Expression System	E. coli
Accession	Q96MX6
Molecular Weight	Predictes a molecular mass of 41.40 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 41 kDa band.

Product Information

Sequence Region	1-357
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 1-357 aa (Q96MX6) 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	This recombinant protein product features a stable, soluble fragment (amino acids 1-357) of human Dynein Axonemal Assembly Factor 10 (DNAAF10), also known as WD Repeat-Containing Protein 92. This fragment is specifically engineered for structural and biochemical studies, representing a key functional region involved in cytoplasmic stabilization of axonemal dynein heavy chains. Dynein Axonemal Assembly Factor 10 (DNAAF10) is a crucial assembly factor that plays a specific role in maintaining the stability of axonemal dynein heavy chains within the cytoplasm. This function is essential for proper dynein complex assembly and subsequent cellular processes. The protein localizes to dynein axonemal particles, indicating its direct involvement in the structural organization and functional regulation of axonemal dynein complexes, which are critical for cellular motility and transport mechanisms.