Recombinant CMA1B protein (His tag)

Catalog Number	549697
Synonyms	Outer dense fiber protein 3-like protein 3; Outer dense fiber protein 3B
Species	Human
Expression System	E. coli
Accession	A8MYP8
Molecular Weight	Predictes a molecular mass of 28.93 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 29 kDa band.

Product Information

Sequence Region	1-253
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 1-253 aa (A8MYP8) 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 Ciliary Microtubule Associated Protein 1B (CIMAP1B) Fragment (1-253) - A high-quality, soluble protein fragment specifically designed for structural biology and biochemical studies. This human-derived recombinant protein represents a stable domain of CIMAP1B, also known as Outer Dense Fiber Protein 3B, optimized for research applications requiring reliable protein performance. Ciliary Microtubule Associated Protein 1B (CIMAP1B) is a human protein localized to cellular projections, specifically cilia and flagella, as indicated by its subcellular location data. The protein, also identified as Outer Dense Fiber Protein 3-like protein 3 or Outer Dense Fiber Protein 3B, plays a role in microtubule-associated functions within these specialized cellular structures. Cilia and flagella are essential organelles involved in cellular motility, sensory perception, and signaling pathways. The provided fragment (amino acids 1-253) encompasses a computationally predicted stable domain that maintains structural integrity and solubility, making it particularly valuable for researchers investigating microtubule-associated proteins, ciliary biology, and related cellular processes.