Recombinant CMAP2 protein (His tag)

Catalog Number	551687
Synonyms	Lymphocyte expansion molecule
Species	Human
Expression System	E. coli
Accession	Q3ZCV2
Molecular Weight	Predictes a molecular mass of 26.89 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 27 kDa band.

Product Information

Sequence Region	80-298
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 80-298 aa (Q3ZCV2) 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 product is a high-quality recombinant protein fragment of human Ciliary microtubule-associated protein 2 (CIMAP2, also known as Lymphocyte expansion molecule). The fragment corresponds to amino acids 80-298, a 219-residue unit computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology and biochemical characterization studies. Ciliary microtubule-associated protein 2 (CIMAP2) is a human protein encoded by the gene CIMAP2. While a detailed functional summary and subcellular localization for the full-length protein are not provided in the available data, its association with microtubules in cilia and its alternative name, Lymphocyte expansion molecule, suggest potential roles in cellular structure, motility, and immune cell regulation. The provided recombinant fragment offers a focused tool to investigate the properties and interactions of this protein domain.