Recombinant C170B protein (His tag)

Catalog Number	549683
Synonyms	Centrosomal protein 170B; Cep170B
Species	Human
Expression System	E. coli
Accession	Q9Y4F5
Molecular Weight	Predictes a molecular mass of 13.76 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 14 kDa band.

Product Information

Sequence Region	1-103
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 1-103 aa (Q9Y4F5) 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 CEP170B (1-103) Fragment: A high-purity, human-derived protein fragment encompassing the FHA domain of Centrosomal protein 170B, engineered for studying microtubule organization and domain-specific interactions in cytoskeletal research. Centrosomal protein of 170 kDa protein B (CEP170B) is a human protein involved in microtubule organization, playing a critical role in maintaining cytoskeletal structure and cellular integrity. It localizes to the cytoplasm and cytoskeleton, where it contributes to the regulation of microtubule dynamics. The provided fragment (amino acids 1-103) includes the FHA domain (residues 23-73), enabling focused investigation into domain-mediated functions such as phosphoprotein binding and signaling pathways relevant to cytoskeletal assembly and disassembly.