Recombinant CEP95 protein (His tag)

Catalog Number	540992
Synonyms	Cep95; Coiled-coil domain-containing protein 45
Species	Human
Expression System	E. coli
Accession	Q96GE4
Molecular Weight	Predictes a molecular mass of 33.87 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 37 kDa band.

Product Information

Sequence Region	559-821
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 559-821 aa (Q96GE4) 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 Cep95 (Centrosomal protein of 95 kDa) fragment (residues 559-821) offers a stable, soluble unit derived from human CEP95, ideal for structural and biochemical studies of centrosome and spindle pole dynamics. Centrosomal protein of 95 kDa (Cep95), encoded by the CEP95 gene in Homo sapiens, is localized to the cytoplasm, cytoskeleton, microtubule organizing center, centrosome, and spindle pole. This subcellular positioning underscores its critical role in centrosome function and mitotic spindle organization, which are essential for cell division and genomic stability. The provided fragment (559-821) was selected computationally to ensure stability and solubility, facilitating investigations into Cep95's structural properties and interactions.