Recombinant CE112 protein (His tag)

Catalog Number	549292
Synonyms	Cep112; Coiled-coil domain-containing protein 46
Species	Human
Expression System	E. coli
Accession	Q8N8E3
Molecular Weight	Predictes a molecular mass of 43.28 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 51 kDa band.

Product Information

Sequence Region	607-955
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 607-955 aa (Q8N8E3) 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 Human Centrosomal Protein of 112 kDa (Cep112) Fragment (607-955 aa) is a high-quality, stable protein fragment designed for structural and biochemical studies. This 349-amino acid segment, derived from the CEP112 gene, offers an optimal soluble unit for investigating centrosome-associated mechanisms. Centrosomal Protein of 112 kDa (Cep112), also known as Coiled-coil Domain-Containing Protein 46, is a human protein localized to the cytoplasm, specifically at the cytoskeleton, microtubule organizing center, and centrosome. It has been observed to localize around spindle poles in certain cell types, implicating it in critical centrosomal functions. The provided fragment (residues 607-955) was computationally selected to ensure stability and solubility, enabling reliable experimental analysis of this centrosome-associated protein.