Recombinant CCSE2 protein (His tag)

Catalog Number	549919
Synonyms	Coiled-coil serine-rich protein 2; Protein GCAP14 homolog
Species	Human
Expression System	E. coli
Accession	Q9H7U1
Molecular Weight	Predictes a molecular mass of 12.26 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 14 kDa band.

Product Information

Sequence Region	658-749
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 658-749 aa (Q9H7U1) 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 Serine-rich coiled-coil domain-containing protein 2 (CCSER2) fragment (residues 658-749) is a high-purity, stable protein designed for structural and biochemical studies. This 92-amino acid fragment, derived from the microtubule-binding protein CCSER2, offers an optimal soluble unit for investigating microtubule interactions and bundling mechanisms in cellular processes. Serine-rich coiled-coil domain-containing protein 2 (CCSER2) is a microtubule-binding protein implicated in microtubule bundling, playing a potential role in cytoskeletal organization and dynamics. It localizes to the cytoplasm and cytoskeleton, associating with microtubules during interphase and displaying diffuse cellular distribution during mitosis. The selected fragment (residues 658-749) was computationally designed to provide a stable, soluble representation of the protein, enabling focused research on its structural properties and microtubule-related functions without domain complexities.