# Recombinant CCSE1 protein (His tag)

| | |
|---|---|
| **Catalog Number** | 550760 |
| **Synonyms** | Coiled-coil serine-rich protein 1 |
| **Species** | Human |
| **Expression System** | E. coli |
| **Accession** | Q9C0I3 |
| **Molecular Weight** | Predictes a molecular mass of 11.97 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band. |

## Product Information

| | |
|---|---|
| **Sequence Region** | 619-709 |
| **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 619-709 aa (Q9C0I3) 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.<br>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 1 (CCSER1) Fragment (aa 619-709) is a high-purity, stable protein fragment designed for structural and biochemical studies. This 91-amino acid fragment was computationally selected to ensure optimal solubility and stability, making it an ideal tool for investigating protein interactions and molecular mechanisms.<br>Serine-rich coiled-coil domain-containing protein 1 (CCSER1) is a human protein encoded by the CCSER1 gene, though specific functional roles and subcellular localization details remain areas of active research. The full-length protein's significance in cellular processes is not yet fully characterized, highlighting the importance of well-defined fragments like this 619-709 region for enabling foundational studies into its potential biological activities and interactions. |