# Recombinant CCD68 protein (His tag)

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| **Catalog Number** | 549369 |
| **Synonyms** | Cutaneous T-cell lymphoma-associated antigen se57-1; CTCL-associated antigen se57-1 |
| **Species** | Human |
| **Expression System** | E. coli |
| **Accession** | Q9H2F9 |
| **Molecular Weight** | Predictes a molecular mass of 27.00 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 29 kDa band. |

## Product Information

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| **Sequence Region** | 88-303 |
| **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 88-303 aa (Q9H2F9) were fused with 6His tag. |

## Storage & Handling

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| **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

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| **Description** | Recombinant Human Coiled-coil domain-containing protein 68 (CCDC68) fragment (residues 88-303) is a high-quality protein designed for structural and biochemical studies. This fragment represents a stable, soluble region of CCDC68, essential for investigating its role in centriole subdistal appendage assembly and microtubule anchoring in interphase cells.<br>Coiled-coil domain-containing protein 68 (CCDC68), also known as CTCL-associated antigen se57-1, is a centriolar protein crucial for the assembly of centriole subdistal appendages and microtubule anchoring in interphase cells. It collaborates with CCDC120 and other subdistal appendage components, such as ODF2, NIN, and CEP170, in a hierarchical process to ensure proper appendage formation. The protein localizes specifically to the subdistal appendages of centrioles within the centrosome, highlighting its importance in cytoskeletal organization and cellular division. This recombinant fragment (residues 88-303) was selected computationally for its stability and solubility, enabling detailed analysis of CCDC68's functional domains. |