# Recombinant CCD92 protein (His tag)

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| **Catalog Number** | 542807 |
| **Synonyms** | Limkain beta-2 |
| **Species** | Human |
| **Expression System** | E. coli |
| **Accession** | Q53HC0 |
| **Molecular Weight** | Predictes a molecular mass of 21.21 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 23 kDa band. |

## Product Information

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| **Sequence Region** | 1-172 |
| **Form** | Lyophilized powder |
| **Formulation** | Lyophilized from sterile PBS, pH 7.4 |
| **Purity** | >89%, 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 1-172 aa (Q53HC0) 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 92 (CCDC92), also known as Limkain beta-2, is a high-purity fragment (amino acids 1-172) designed for structural and biochemical studies. This interferon-stimulated protein plays a critical role in innate immunity by inhibiting ebolavirus replication, making it a valuable tool for virology and immunology research.<br>Coiled-coil domain-containing protein 92 (CCDC92) is an interferon-stimulated protein that functions as a key component of the innate immune response. It strongly inhibits ebolavirus transcription and replication by forming a complex with the viral nucleocapsid NP, preventing NP transport to the cell surface and thereby disrupting viral propagation. The protein localizes to the cytoplasm, cytoskeleton, microtubule organizing center, centrosome, and centriole, indicating potential roles in cellular structure and viral defense mechanisms. The provided recombinant fragment (1-172) represents a stable, soluble unit optimized for experimental applications, enabling detailed investigation of its antiviral mechanisms without the full-length protein's complexity. |