# Recombinant CC148 protein (His tag)

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| **Catalog Number** | 550972 |
| **Species** | Human |
| **Expression System** | E. coli |
| **Accession** | Q8NFR7 |
| **Molecular Weight** | Predictes a molecular mass of 61.34 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 69 kDa band. |

## Product Information

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| **Sequence Region** | 1-493 |
| **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 1-493 aa (Q8NFR7) 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 148 (CCDC148) fragment (amino acids 1-493) is a high-purity, stable protein designed for structural and biochemical studies. This fragment was computationally optimized for solubility and stability, making it an ideal tool for investigating protein interactions and functional mechanisms in research applications.<br>Coiled-coil domain-containing protein 148, encoded by the CCDC148 gene in Homo sapiens, is a protein whose detailed functional roles and subcellular localization are still under investigation. As a member of the coiled-coil domain-containing family, it is anticipated to participate in structural or regulatory cellular processes, though specific mechanistic insights and localization patterns require further experimental validation. The provided fragment (residues 1-493) represents a computationally selected region predicted to enhance experimental utility in elucidating the protein's characteristics. |