# Recombinant CA226 protein (His tag)

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| **Catalog Number** | 551311 |
| **Species** | Human |
| **Expression System** | E. coli |
| **Accession** | A1L170 |
| **Molecular Weight** | Predictes a molecular mass of 10.54 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band. |

## Product Information

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| **Sequence Region** | 63-143 |
| **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 63-143 aa (A1L170) 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** | This high-quality recombinant protein product features a stable, soluble fragment (residues 63-143) of the human Uncharacterized protein C1orf226. The 81-amino acid fragment was computationally designed for optimal expression and purification, making it an ideal reagent for structural biology studies, antibody development, and initial functional characterization of this novel protein.<br>The full-length Uncharacterized protein C1orf226 (UniProt ID: A1L170) is a human protein whose specific biological function and subcellular localization have not yet been experimentally determined. As an uncharacterized protein, it represents a potential target for novel biological discovery. Research into proteins like C1orf226 is crucial for expanding our understanding of the human proteome and may reveal new cellular pathways, disease mechanisms, or therapeutic targets. |