# Recombinant CDRT1 protein (His tag)

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| **Catalog Number** | 550331 |
| **Synonyms** | CMT1A duplicated region transcript 1 protein |
| **Species** | Human |
| **Expression System** | E. coli |
| **Accession** | O95170 |
| **Molecular Weight** | Predictes a molecular mass of 46.92 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 47 kDa band. |

## Product Information

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| **Sequence Region** | 278-674 |
| **Form** | Lyophilized powder |
| **Formulation** | Lyophilized from sterile PBS, pH 7.4 |
| **Purity** | >85%, 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 278-674 aa (O95170) 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 FBXW10B (F-box and WD repeat domain containing protein 10B) fragment (residues 278-674) is a high-quality, stable protein designed for structural and biochemical studies. This 397-amino acid fragment was computationally optimized for solubility and stability, providing a reliable tool for investigating protein function and interactions.<br>The full-length F-box and WD repeat domain containing protein 10B (also known as CMT1A duplicated region transcript 1 protein) is encoded by the FBXW10B gene in humans. While specific functional details and subcellular localization information are not fully characterized, proteins containing F-box and WD repeat domains typically function as substrate recognition components of SCF ubiquitin ligase complexes, playing crucial roles in protein degradation pathways, cell cycle regulation, and signal transduction. This recombinant fragment represents a stable, soluble unit ideal for advancing research into the protein's structural properties and molecular mechanisms. |