# Recombinant UL17C protein (His tag)

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| **Catalog Number** | 550052 |
| **Species** | Human |
| **Expression System** | E. coli |
| **Accession** | C9JPN9 |
| **Molecular Weight** | Predictes a molecular mass of 36.07 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 36 kDa band. |

## Product Information

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| **Sequence Region** | 74-380 |
| **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 74-380 aa (C9JPN9) 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 Ubiquitin carboxyl-terminal hydrolase 17-like protein 12 (USP17L12), a human deubiquitinating enzyme fragment (residues 74-380) that includes the complete USP domain. This high-purity protein is an essential tool for investigating deubiquitination mechanisms, cell cycle regulation, and viral response pathways in vitro.<br>Ubiquitin carboxyl-terminal hydrolase 17-like protein 12 (USP17L12) is a deubiquitinating enzyme (EC 3.4.19.12) that catalyzes the removal of conjugated ubiquitin from specific protein substrates. This activity regulates critical cellular processes including cell proliferation, cell cycle progression, apoptosis, cell migration, and cellular responses to viral infection. The enzyme localizes to both the nucleus and endoplasmic reticulum, suggesting roles in nuclear regulatory pathways and endoplasmic reticulum-associated protein modification. The recombinant fragment (residues 74-380) contains the complete USP functional domain (residues 80-375), enabling focused study of the catalytic deubiquitination activity and its functional consequences in cellular signaling pathways. |