# Recombinant Human USP11 Protein (A2-N963), Tag Free

**Cat. No.** USP11-0886H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human GG-USP11(A2-N963 end) Protein was expressed in Insect cell. |
| **Species** | Human |
| **Source** | Insect Cells |
| **ProteinLength** | A2-N963 |
| **Description** | Protease that can remove conjugated ubiquitin from target proteins and polyubiquitin chains. Inhibits the degradation of target proteins by the proteasome. Cleaves preferentially 'Lys-6' and 'Lys-63'-linked ubiquitin chains. Has lower activity with 'Lys-11' and 'Lys-33'-linked ubiquitin chains, and extremely low activity with 'Lys-27', 'Lys-29' and 'Lys-48'-linked ubiquitin chains (in vitro). Plays a role in the regulation of pathways leading to NF-kappa-B activation. Plays a role in the regulation of DNA repair after double-stranded DNA breaks. Acts as a chromatin regulator via its association with the Polycomb group (PcG) multiprotein PRC1-like complex; may act by deubiquitinating components of the PRC1-like complex. Promotes cell proliferation by deubiquitinating phosphorylated E2F1. |
| **Form** | Liquid |
| **Endotoxin** | < 0.01 EU per μg of the protein |
| **Purity** | 90% |

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| **Stability** | Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. |
| **Storage** | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| **Storage Buffer** | Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol |
| **Shipping** | It is shipped out with blue ice. |

## GENE INFORMATION

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| **Gene Name** | USP11 ubiquitin specific peptidase 11 [ Homo sapiens (human) ] |
| **Official Symbol** | USP11 |
| **Synonyms** | USP11; ubiquitin specific peptidase 11; ubiquitin specific protease 11; ubiquitin carboxyl-terminal hydrolase 11; UHX1; ubiquitin thioesterase 11; deubiquitinating enzyme 11; ubiquitin thiolesterase 11; ubiquitin-specific processing protease 11; ubiquitin-specific-processing protease 11; ubiquitin carboxyl-terminal hydrolase, X-linked; |
| **Gene ID** | 8237 |
| **mRNA Refseq** | NM_004651 |
| **Protein Refseq** | NP_004642 |
| **MIM** | 300050 |
| **UniProt ID** | P51784 |

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