

Active Recombinant Human USP11 protein, His tagged

Cat. No. USP11-08H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human USP11 protein with His tag was expressed in Insect Cells.
Species	Human
Source	Insect Cells
Description	Protein ubiquitination controls many intracellular processes, including cell cycle progression, transcriptional activation, and signal transduction. This dynamic process, involving ubiquitin conjugating enzymes and deubiquitinating enzymes, adds and removes ubiquitin. Deubiquitinating enzymes are cysteine proteases that specifically cleave ubiquitin from ubiquitin-conjugated protein substrates. This gene encodes a deubiquitinating enzyme which lies in a gene cluster on chromosome Xp11.23.
AASequence	MAVAPRLFGGLCFRFRDQNPEVAVEGRLPISHSCVGCRRTAMATVAANPAAAAA AVAAAAVATEDREPQHEELPGLDSQWRQIENGESGRERPLRAGESWFLVEKHWYK QWEAYVQGGDQDSSTFPGCINNATLFQDEINWRLKEGLVEGEDYVLLPAAAWHYL VSWYGLEHGQPPIERKVIELPNIQKVEVYPVELLLVRHNDLGKSHTVQFSHTDSIGLV LRTARERFLVEPQEDTRLWAKNSEGLDRLDYDTHITVLDALETGQLIMETRKKDGT WPSAQLHVMNNNMSEDEDFKGQPGICGLTNLGNTCFMNSALQCLSNVPQLTEYF LNNCYLEELNFRNPLGMKGEIAEAYADLVKQAWSGHRSIVPHVFNKVGHFASQF LGYQQHDSQELLSFLLDGLHEDLNRVKKKEYVELCDAAGRPDQEVAQEAWQNHKR RNDVIVDTFHGLFKSTLVCPDCGNVSVTFDPFCYLSVPLPISHKRVLEVFFIPMDPR RKPEQHRLVVPKKGKISDLCVALSKHTGISPERMMVADVFSHRFYKLYQLEELSSIL

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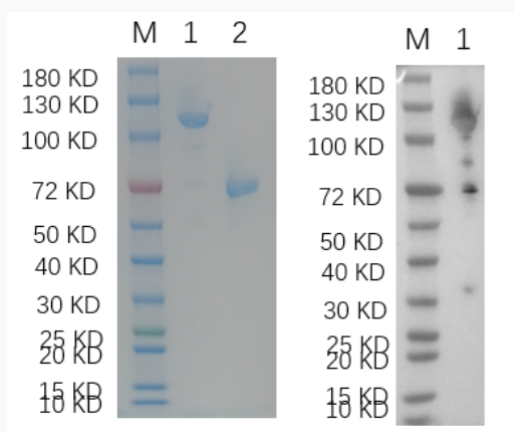
DRDDIFVYEVSGRIEAIEGSREDIVVPVYLRRTPARDYNNSYYGLMLFGHPLLVSVP
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 DPEPEQAGPSSGVNRCPFLLDNCLGTSQWPPRRRRKQLFTLQTVNSNGTSDRTT
 SPEEVHAQPPIAIDWEPEMKKRYDEVEAEGYVKHDCVGYVMKKAPVRLQECIELF
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 FPIRDLDFSEFVIQPNESNPELYKYDLIAVSNHYGGMRDGHYTTTFACNKDSGQWH
 YFDDNSVSPVNENQIESKAAYVLFYQRQDVARRLLSPAGSSGAPASPACSSPPSSE
 FMDVNHHHHHHHH

Molecular Mass	110 kDa
Purity	> 90% by SDS-PAGE
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	Sterile 50mM Hepes, pH7.5, 100mM NaCl, 10% Glycerol, 1mM DTT
Concentration	0.96 mg/mL by Bradford

GENE INFORMATION

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 thioesterase 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

SDS-PAGE and WB


Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal Antibody) analysis profiles of purified USP11. 1. USP11 2. BSA

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