

USP11 recombinant protein

USP11, Active

CATALOG # AAA74100	HOST Sf9 insect cells	APPLICATIONS SDS-Page
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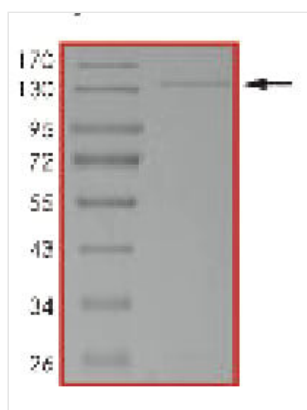
PRODUCT SYNONYMS

USP11; Active; UHX1; USP11 recombinant protein

PRODUCT SPECIFICATIONS

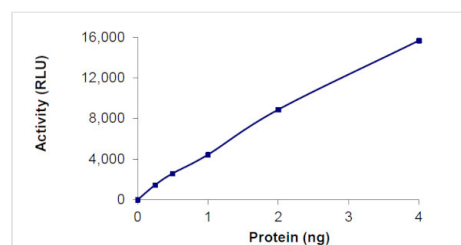
Host	Sf9 insect cells
Purity/Purification	>90%
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.25mM DTT, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Concentration	0.1 ug/uL (varies by lot)
Applicable Applications for USP11 recombinant protein	SDS-PAGE
Tag	N-terminal GST
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

The purity of USP11 was determined to be >90% by densitometry, approx. MW 136kDa.



Activity

The specific activity of USP11 was determined to be >47 nmol/min/mg as per activity assay protocol.

ADDITIONAL INFORMATION

Related Product Information for USP11 recombinant protein	Recombinant full-length human USP11 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The USP11 gene accession number is NM_004651. USP11 (ubiquitin carboxyl-terminal hydrolase 11) is a member of the ubiquitin specific proteases family (USPs) and is a protease that functions in the removal of conjugated ubiquitin from target proteins and polyubiquitin chains. The enzyme cleaves preferentially 'Lys-6' and 'Lys-63'-linked ubiquitin chains and is involved in regulating pathways that lead to NF-kappa-B activation by regulating IkappaB kinase alpha (1). USP11 also binds to p21, a cyclin-dependent kinase inhibitor and plays an important role in regulating cell-cycle progression and DNA damage responses.
Product Categories/Family for USP11 recombinant protein	DUBs; Cancer; Cardiovascular Disease; Cell Cycle; Cellular Stress; Invasion/Metastasis; Metabolic Disorder
References	1. Yamaguchi, T. et al. The deubiquitinating enzyme USP11 controls an IkappaB kinase alpha (IKKalpha)-p53 signaling pathway in response to tumor necrosis factor alpha (TNFalpha). J Biol Chem. 282(47):33943-8, 2007. 2. Tanggang, D. et al: Deubiquitylation and stabilization of p21 by USP11 is critical for cell-cycle progression and DNA damage responses. Proceedings of the National Academy of Sciences 115(18): 4678-4683, 2018.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_004651
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/usp11-recombinant-protein-sf9-insect-cells-sds-page/74100>