

USP1 recombinant protein

USP1, Active

CATALOG #
AAA74094

HOST
Sf9 insect cells

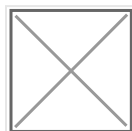
PRODUCT SYNONYMS

USP1; Active; Ubiquitin carboxyl-terminal hydrolase 1; USP1 recombinant protein

PRODUCT SPECIFICATIONS

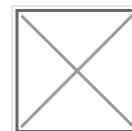
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.25mM DTT, 0.1mM EDTA, 25% glycerol.
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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

Purity: Sample purity data. For lot-specific data, please refer to lot-specific datasheets.



Activity

Activity: Sample activity data. For lot-specific data, please refer to lot-specific datasheet.

ADDITIONAL INFORMATION

Related Product Information for USP1 recombinant protein	Recombinant human full-length USP1 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_003368. Ubiquitin Specific Protease 1 (USP1) is a human deubiquitinase (DUB) that contains one of the largest catalytic domains within the USP family. USP1 plays a role in regulating cellular response to DNA damage and is also involved in the control of cell differentiation (1). USP1 regulates ubiquitination of Proliferating Cell Nuclear Antigen (PCNA) in response to DNA damage preventing unscheduled recruitment of error-prone TLS DNA polymerases [2]. USP1 expression is deregulated in certain types of human cancer and is thus emerging as a novel target in cancer therapy (3).
Product Categories/Family for USP1 recombinant protein	DUBs; Angiogenesis; Apoptosis/Autophagy; Cancer; Cell Cycle; Cellular Stress; Neurobiology
References	1. Olazabal-Herrero, A. et al: Structure-function analysis of USP1: Insights into the role of Ser313 phosphorylation site and the effect of cancer-associated mutations on autocleavage. Mol Cancer. 14(1):33, 2015. 2. Huang, T.T. et al: Regulation of monoubiquitinated PCNA by DUB autocleavage. Nat Cell Biol. 8:339-47, 2006. 3. García-Santisteban, I. et al: USP1 deubiquitinase: Cellular functions, regulatory mechanisms and emerging potential as target in cancer therapy. Mol Cancer 12:91, 2013.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_003368
Molecular Weight	approx. MW: 130kDa

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/usp1-recombinant-protein-sf9-insect-cells/74094>