

USP12 recombinant protein

USP12, Active

CATALOG #
AAA74101

HOST
Sf9 insect cells

PRODUCT SYNONYMS

USP12; Active; Ubiquitin specific peptidase 12; USP12 recombinant protein

PRODUCT SPECIFICATIONS

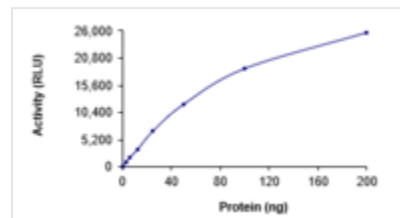
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.25mM DTT, 0.1mM EDTA, 25% glycerol.
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and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



Activity

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

ADDITIONAL INFORMATION

Related Product Information for USP12 recombinant protein	Recombinant human full-length USP12 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_182488. Usp12 belongs to the ubiquitin-specific protease family of deubiquitinases that contains the conserved catalytic cysteine/histidine domain present in other USPs. USP12 has been identified as a deubiquitinase for histones H2A/H2B, Notch, pHdomain leucine-rich repeat protein phosphatase 1, and androgen receptor (1). A complex of USP12 with WDR48 negatively regulates Akt activation, thus promoting cellular apoptosis. This complex has also been shown to suppress proliferation of tumor cell (2).
Product Categories/Family for USP12 recombinant protein	DUBs; Apoptosis/Autophagy; Cancer; Cell Cycle; Cellular Stress; Inflammation; Neurobiology
References	1. Joo, H. Y. et al. Regulation of histone H2A and H2B deubiquitination and Xenopus development by USP12 and USP46. J. Biol. Chem. 286:7190-7201, 2011. 2. Gangula, N.R. WD repeat protein WDR48 in complex with deubiquitinase USP12 suppresses Akt-dependent cell survival signaling by stabilizing pHdomain leucine-rich repeat protein phosphatase 1 (PHLPP1). J Biol Chem. 288(48):34545-34554, 2013.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_182488
Molecular Weight	approx. MW: 68kDa

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://www.aaabiotech.com/usp12-recombinant-protein-sf9/74101>