

USP16 recombinant protein

USP16, Active

CATALOG # AAA74103	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

USP16; Active; UBP-M; USP16 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, 0.1mM PMSF, 25% glycerol.
Applicable Applications for USP16 recombinant protein	WB (Western Blot), Activity Assay
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 specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for USP16 recombinant protein	Recombinant human USP16 (187-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The USP16 gene accession number is NM_006447. USP16 (ubiquitin carboxyl-terminal hydrolase 16) is a deubiquitinating enzyme belonging to the ubiquitin-specific protease (USP) family and is involved in transcriptional regulation that controls cell differentiation, cell cycle and apoptosis through modulations with p16 Ink4a and p19 Arf. Downregulation of USP16 by truncated HBx may contribute to the growth of hepatocellular carcinoma cells (1). USP16 may also play a crucial role in provoking the self-renewal and/or senescence pathways in Down syndrome through the removal of ubiquitin from H2AK119, a critical mark for the maintenance of several somatic tissues (2).
Product Categories/Family for USP16 recombinant protein	DUBs; Cancer; Cardiovascular Disease; Cell Cycle; Cellular Stress; Invasion/Metastasis; Metabolic Disorder
References	1. Qian, Y. et al: USP16 Downregulation by Carboxyl-terminal Truncated HBx Promotes the Growth of Hepatocellular Carcinoma Cells. Scientific Reports 6, 33039, 2016. 2. Adorno, M. et al: Usp16 contributes to somatic stem-cell defects in Down's syndrome. Nature vol. 501(7467): 380-4, 2013.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_006447
Molecular Weight	110kDa

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/usp16-recombinant-protein-sf9-insect-cells-wb-western-blot-activity-assay/74103>