Active Recombinant human USP16 protein, GST-tagged

Cat. No. USP16-212H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human USP16 (187-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Insect cells
ProteinLength	187-end a.a.
Description	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. 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.
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.25mM DTT, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Bio-activity	≥24nmol/min/mg
Molecular Mass	110 kDa

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Purity	>85%
Stability	1 year at –70 centigrade from date of shipment
Storage	Store product at –70 centigrade. 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.
Concentration	0.1 μg/μL

GENE INFORMATION

Gene Name	USP16
Official Symbol	USP16
Synonyms	UBPM; UBP-M
Gene ID	10600
mRNA Refseq	NM_006447.3
Protein Refseq	NP_006438.1
MIM	604735
UniProt ID	Q9Y5T5

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