

## Recombinant Human USP16 Protein (G2-L823), His tagged

Cat. No. USP16-1218H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human 8His-TEV-GG-USP16(G2-L823 end) Protein was expressed in Insect cell.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	G2-L823
<b>Description</b>	Specifically deubiquitinates 'Lys-120' of histone H2A (H2AK119Ub), a specific tag for epigenetic transcriptional repression, thereby acting as a coactivator. Deubiquitination of histone H2A is a prerequisite for subsequent phosphorylation at 'Ser-11' of histone H3 (H3S10ph), and is required for chromosome segregation when cells enter into mitosis. In resting B- and T-lymphocytes, phosphorylation by AURKB leads to enhance its activity, thereby maintaining transcription in resting lymphocytes. Regulates Hox gene expression via histone H2A deubiquitination. Prefers nucleosomal substrates. Does not deubiquitinate histone H2B.
<b>Form</b>	Liquid
<b>Endotoxin</b>	< 0.01 EU per µg of the protein
<b>Purity</b>	90%
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -20 to -80

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	centigrade.
<b>Storage</b>	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
<b>Shipping</b>	It is shipped out with blue ice.

## GENE INFORMATION

<b>Gene Name</b>	USP16 ubiquitin specific peptidase 16 [ Homo sapiens (human) ]
<b>Official Symbol</b>	USP16
<b>Synonyms</b>	USP16; ubiquitin specific peptidase 16; UBPM; UBP-M; ubiquitin carboxyl-terminal hydrolase 16; deubiquitinating enzyme 16; ubiquitin specific protease 16; ubiquitin thioesterase 16; ubiquitin thiolesterase 16; ubiquitin-processing protease UBP-M; ubiquitin-specific processing protease 16; EC 3.4.19.12
<b>Gene ID</b>	10600
<b>mRNA Refseq</b>	NM_006447
<b>Protein Refseq</b>	NP_006438
<b>MIM</b>	604735
<b>UniProt ID</b>	Q9Y5T5

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