

Recombinant Human USP16 Protein (G2-L823), Tag Free

Cat. No. USP16-1219H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GG-USP16(G2-L823 end) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	G2-L823
Description	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.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.

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Storage	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.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	USP16 ubiquitin specific peptidase 16 [Homo sapiens (human)]
Official Symbol	USP16
Synonyms	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
Gene ID	10600
mRNA Refseq	NM_006447
Protein Refseq	NP_006438
MIM	604735
UniProt ID	Q9Y5T5

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