Ubiquitin Carboxyl-terminal Hydrolase 7

Cat. No. CBCRY35 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Source	E.coli
Background	Herpesvirus-associated ubiquitin-specific protease (HAUSP, also known as USP7), a deubiquitylating enzyme of the ubiquitin-specific processing protease family, specifically deubiquitylates both p53 and MDM2, hence playing an important yet enigmatic role in the p53-MDM2 pathway.
Protein Classification	Hydrolase
Structure Weight	121067.00 Da
Polymer	1
Molecule	Ubiquitin carboxyl-terminal hydrolase 7
Chain Length	522 amino acids
PDB ID	2F1Z
MMDB ID	37695
Method	X-Ray Diffraction

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Resolution	3.2Å
Reference	Hu, M., Gu, L., Li, M., Jeffrey, P.D., Gu, W., Shi, Y. (2006) Structural Basis of Competitive Recognition of p53 and MDM2 by HAUSP/USP7: Implications for the Regulation of the p53-MDM2 Pathway. Plos Biol. 4: e27-e27

GENE INFORMATION

Gene Name	USP7
Synonyms	HAUSP; TEF1; EC 3.1.2.15; Herpes virus-associated ubiquitin-specific protease; ubiquitin specific peptidase 7; ubiquitin specific protease 7 (herpes virus-associated); deubiquitinating enzyme 7; Ubiquitin thioesterase 7
UniProt ID	Q93009
Gene ID	7874
Chromosome Location	16p13.3
Function	cysteine-type endopeptidase activity; ubiquitin thiolesterase activity; protein binding; protein C-terminus binding; peptidase activity; cysteine-type peptidase activity; hydrolase activity

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