



## Human USP1 peptide (DAG-P1975)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes a member of the ubiquitin-specific processing (UBP) family of proteases that is a deubiquitinating enzyme (DUB) with His and Cys domains. This protein is located in the cytoplasm and cleaves the ubiquitin moiety from ubiquitin-fused precursors and ubiquitinated proteins. The protein specifically deubiquitinates a protein in the Fanconi anemia (FA) DNA repair pathway. Alternate transcriptional splice variants have been characterized. [provided by RefSeq, Jul 2008]
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the peptidase C19 family.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">USP1 ubiquitin specific peptidase 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	USP1
<b>Synonyms</b>	USP1; ubiquitin specific peptidase 1; UBP; ubiquitin carboxyl-terminal hydrolase 1; hUBP; ubiquitin thioesterase 1; deubiquitinating enzyme 1; ubiquitin thiolesterase 1; ubiquitin specific protease 1; ubiquitin carboxyl terminal hydrolase 1; ubiquitin specific processing protease 1; ubiquitin-specific-processing protease 1;
<b>Entrez Gene ID</b>	<a href="#">7398</a>

<b>mRNA Refseq</b>	<a href="#">NM_001017415.1</a>
<b>Protein Refseq</b>	<a href="#">NP_001017415.1</a>
<b>UniProt ID</b>	O94782
<b>Chromosome Location</b>	1p31.3
<b>Pathway</b>	DNA Repair, organism-specific biosystem; Fanconi Anemia pathway, organism-specific biosystem; Fanconi anemia pathway, organism-specific biosystem; Fanconi anemia pathway, conserved biosystem; Regulation of the Fanconi anemia pathway, organism-specific biosystem;
<b>Function</b>	cysteine-type endopeptidase activity; protein binding; ubiquitin thiolesterase activity; ubiquitin-specific protease activity; ubiquitin-specific protease activity;