

## Recombinant Human BAP1 Protein (N2-Q729), Tag Free

Cat. No. BAP1-0381H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human GG-BAP1(N2-Q729 end) Protein was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	N2-Q729
<b>Description</b>	<p>Deubiquitinating enzyme that plays a key role in chromatin by mediating deubiquitination of histone H2A and HCFC1. Catalytic component of the PR-DUB complex, a complex that specifically mediates deubiquitination of histone H2A monoubiquitinated at 'Lys-119' (H2AK119ub1). Does not deubiquitinate monoubiquitinated histone H2B. Acts as a regulator of cell growth by mediating deubiquitination of HCFC1 N-terminal and C-terminal chains, with some specificity toward 'Lys-48'-linked polyubiquitin chains compared to 'Lys-63'-linked polyubiquitin chains. Deubiquitination of HCFC1 does not lead to increase stability of HCFC1. Interferes with the BRCA1 and BARD1 heterodimer activity by inhibiting their ability to mediate ubiquitination and autoubiquitination. It however does not mediate deubiquitination of BRCA1 and BARD1. Able to mediate autodeubiquitination via intramolecular interactions to counteract monoubiquitination at the nuclear localization signal (NLS), thereby protecting it from cytoplasmic sequestration. Acts as a tumor suppressor.</p>
<b>Form</b>	Liquid

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<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 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>	BAP1 BRCA1 associated protein-1 (ubiquitin carboxy-terminal hydrolase) [ Homo sapiens (human) ]
<b>Official Symbol</b>	BAP1
<b>Synonyms</b>	BAP1; BRCA1 associated protein-1 (ubiquitin carboxy-terminal hydrolase); ubiquitin carboxyl-terminal hydrolase BAP1; hucep 6; KIAA0272; UCHL2; cerebral protein 6; cerebral protein-13; TPDS; hucep-6; HUCEP-13; FLJ35406; FLJ37180; DKFZp686N04275;
<b>Gene ID</b>	8314
<b>mRNA Refseq</b>	NM_004656
<b>Protein Refseq</b>	NP_004647

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<b>MIM</b>	603089
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<b>UniProt ID</b>	Q92560
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