

## Active Recombinant Human BIRC2 protein, His-tagged

Cat. No. BIRC2-01H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human BIRC2 protein, fused to His-tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	<p>clAP-1 (also known as MIHB and HIAP-2) is a member of the inhibitor of apoptosis (IAP) family of proteins that inhibit the proteolytic activity of mature caspases. clAP-1 has 3 BIR (baculovirus inhibitor of apoptosis) domains, a RING finger domain, and a caspase recruitment domain (CARD). clAP-1 inhibits caspases by interaction of the BIR domain with the active caspase. Caspase activity may be restored through interactions with the Reaper like motif on mitochondrial proteins such as SMAC/Diablo or HTRA-2/Omi. clAP-1 is reported to be cleaved by caspases in fetal rat hepatocytes treated with TGF-beta.</p>
<b>Form</b>	Supplied as a 0.2 µm filtered solution in HEPES, NaCl, DTT and Glycerol.
<b>Bio-activity</b>	Measured by its ability to inhibit DEVD-AFC cleavage activity in cell extracts activated by addition of cytochrome c and dATP. The IC50 for this effect is 25-1000 nM.
<b>Molecular Mass</b>	<p>Predicted Molecular Mass:72 kDa            SDS-PAGE: 68 kDa, reducing conditions</p>
<b>N-terminal Sequence Analysis</b>	Ala

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<b>Purity</b>	>85%
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -70 centigrade as supplied. 3 months, -70 centigrade under sterile conditions after opening.
<b>Shipping</b>	The product is shipped with dry ice or equivalent. Upon receipt, store it immediately at the temperature recommended below.

## GENE INFORMATION

<b>Gene Name</b>	BIRC2 baculoviral IAP repeat containing 2 [ Homo sapiens (human) ]
<b>Official Symbol</b>	BIRC2
<b>Synonyms</b>	API1Hiap-2; apoptosis inhibitor 1; baculoviral IAP repeat containing 2; baculoviral IAP repeat-containing 2; baculoviral IAP repeat-containing protein 2; BIRC2; cIAP1; c-IAP1; cIAP-1; hIAP2; HIAP-2; IAP homolog B; IAP2; IAP-2; Inhibitor of apoptosis protein 2; MIHB; MIHBHIAP2; NFR2-TRAF signalling complex protein; RING finger protein 48; RNF48hiap-2; TNFR2-TRAF-signaling complex protein 2
<b>Gene ID</b>	329
<b>mRNA Refseq</b>	NM_001166.5
<b>Protein Refseq</b>	NP_001157.1
<b>MIM</b>	601712
<b>UniProt ID</b>	Q13490

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