

Active Recombinant Human BIRC2 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human BIRC2 protein, fused to His-tag, was expressed in E. coli.
Species	Human
Source	E.coli
Description	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.
Form	Supplied as a 0.2 µm filtered solution in HEPES, NaCl, DTT and Glycerol.
Bio-activity	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.
Molecular Mass	Predicted Molecular Mass:72 kDa SDS-PAGE: 68 kDa, reducing conditions
N-terminal Sequence Analysis	Ala

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Purity	>85%
Storage	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.
Shipping	The product is shipped with dry ice or equivalent. Upon receipt, store it immediately at the temperature recommended below.

GENE INFORMATION

Gene Name	BIRC2 baculoviral IAP repeat containing 2 [Homo sapiens (human)]
Official Symbol	BIRC2
Synonyms	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
Gene ID	329
mRNA Refseq	NM_001166.5
Protein Refseq	NP_001157.1
MIM	601712
UniProt ID	Q13490

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