

## Recombinant Mouse Birc7 Protein, Myc/DDK-tagged

Cat. No. Birc7-1870M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length baculoviral IAP repeat-containing 7 (Ivlin) (Birc7), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Apoptotic regulator capable of exerting proapoptotic and anti-apoptotic activities and plays crucial roles in apoptosis, cell proliferation, and cell cycle control. Its anti-apoptotic activity is mediated through the inhibition of caspase-3, -7, and -9, as well as by its E3 ubiquitin-protein ligase activity. As it is a weak caspase inhibitor, its anti-apoptotic activity is thought to be due to its ability to ubiquitinate DIABLO/SMAC targeting it for degradation thereby promoting cell survival. May contribute to caspase inhibition, by blocking the ability of DIABLO/SMAC to disrupt XIAP/BIRC4-caspase interactions. Protects against apoptosis induced by TNF or by chemical agents such as adriamycin, etoposide or staurosporine. Suppression of apoptosis is mediated by activation of MAPK8/JNK1, and possibly also of MAPK9/JNK2. This activation depends on TAB1 and NR2C2/TAK1.
<b>Molecular Mass</b>	32.4 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Birc7 baculoviral IAP repeat-containing 7 (livin) [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	<a href="#">Birc7</a>
<b>Synonyms</b>	BIRC7; baculoviral IAP repeat-containing 7 (livin); baculoviral IAP repeat-containing protein 7; KIAP; Livin; ML-IAP; E130019N06
<b>Gene ID</b>	<a href="#">329581</a>
<b>mRNA Refseq</b>	<a href="#">NM_001163247</a>
<b>Protein Refseq</b>	<a href="#">NP_001156719</a>
<b>UniProt ID</b>	<a href="#">A2AWP0</a>

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