

Recombinant Human BIRC7, His-tagged

Cat. No. BIRC7-10234H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human BIRC7 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-298a.a.
Description	The protein encoded by this gene is a member of the family of inhibitor of apoptosis proteins (IAP) and contains a single copy of a baculovirus IAP repeat (BIR) as well as a RING-type zinc finger domain. The BIR domain is essential for inhibitory activity and interacts with caspases, while the RING finger domain sometimes enhances antiapoptotic activity but does not inhibit apoptosis alone. Two transcript variants encoding different isoforms have been found for this gene. The two isoforms have different antiapoptotic properties, with isoform alpha protecting cells from apoptosis induced by staurosporine and isoform b protecting cells from apoptosis induced by etoposide.
Source	E.coli
Species	Human
Tag	His

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Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.
GENE INFORMATION	
Gene Name	BIRC7 baculoviral IAP repeat containing 7 [Homo sapiens]
Official Symbol	BIRC7
Synonyms	BIRC7; baculoviral IAP repeat containing 7; baculoviral IAP repeat-containing protein 7; KIAP; kidney inhibitor of apoptosis protein; livin; livin inhibitor of apoptosis; melanoma inhibitor of apoptosis protein; ML IAP; mliap; RNF50; RING finger protein 50; LIVIN; MLIAP; ML-IAP;
Gene ID	79444
mRNA Refseq	NM_022161
Protein Refseq	NP_071444
MIM	605737
UniProt ID	Q96CA5
Chromosome Location	20q13.3
Pathway	Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; HTLV-I

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infection, organism-specific biosystem; HTLV-I infection, conserved biosystem;
Pathways in cancer, organism-specific biosystem; Small cell lung cancer, organism-
specific biosystem; Small cell lung cancer, conserved biosystem;

Function

cysteine-type endopeptidase inhibitor activity; enzyme binding; metal ion binding;
protein binding; ubiquitin-protein ligase activity; zinc ion binding;

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