

## Recombinant Human BIRC3, GST-tagged

Cat. No. BIRC3-190H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full-length human BIRC3 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>Description</b>	BIRC3 or baculoviral IAP repeat containing 3 is a member of the IAP family of proteins. BIRC3 inhibit apoptosis by binding to tumor necrosis factor receptor-associated factors TRAF1 and TRAF2 and thereby interfering with activation of ICE-like proteases. BIRC3 inhibits apoptosis induced by serum deprivation but does not affect apoptosis resulting from exposure to menadione, a potent inducer of free radicals. BIRC3 is a potential oncogene which is overexpressed in multiple lung cancers with or without higher copy numbers. BIRC3 is a key regulator of NOD innate immunity signaling.
<b>Form</b>	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
<b>Molecular Mass</b>	~105 kDa
<b>Purity</b>	>75% by densitometry
<b>Applications</b>	Western Blot

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Storage** Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

**Concentration** 0.1 µg/µl

## GENE INFORMATION

**Gene Name** [BIRC3 baculoviral IAP repeat containing 3 \[ Homo sapiens \]](#)

**Official Symbol** BIRC3

**Synonyms** BIRC3; baculoviral IAP repeat containing 3; API2, baculoviral IAP repeat containing 3; baculoviral IAP repeat-containing protein 3; apoptosis inhibitor 2; c IAP2; cIAP2; hiap 1; inhibitor of apoptosis protein 1; MALT2; mammalian IAP homolog C; MIHC; RNF49; TNFR2 TRAF signaling complex protein; IAP-1; IAP homolog C; RING finger protein 49; baculoviral IAP repeat-containing 3; TNFR2-TRAF signaling complex protein; TNFR2-TRAF-signaling complex protein 1; AIP1; API2; CIAP2; HAIP1; HIAP1; c-IAP2;

**Gene ID** [330](#)

**mRNA Refseq** [NM\\_001165](#)

**Protein Refseq** [NP\\_001156](#)

**MIM** [601721](#)

**UniProt ID** [Q13489](#)

**Chromosome** 11q22

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**Location****Pathway**

Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; C-MYB transcription factor network, organism-specific biosystem; CD40/CD40L signaling, organism-specific biosystem; Caspase cascade in apoptosis, organism-specific biosystem; Ceramide signaling pathway, organism-specific biosystem;

**Function**

metal ion binding; protein binding; ubiquitin-protein ligase activity; zinc ion binding;

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