

# Recombinant Full Length Human BIRC7 Protein, GST-tagged

Cat. No. BIRC7-1640HF    Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human BIRC7 full-length ORF ( NP_647478.1, 1 a.a. - 298 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	298 amino acids
<b>Description</b>	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.
<b>Form</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Molecular Mass</b>	59.2 kDa
<b>AA Sequence</b>	MGPKDSAKCL HRGPQPSHWA AGDGPTQERC GPRSLGSPVL GLDTCRAWDH VDGQILGQLR PLTEEEEEEG AGATLSRGPA FPGMGSEELR LASFYDWPLT

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AEVPPPELLAA AGFFHTGHQD KVRCCFFCYGG LQSWKRGDDP WTEHAKWFPS  
 CQFLRSKGR DVFHSVQETH SQLLGSWDPW EEPEDAAPVA PSVPASGYPE  
 LPTPRREVQS ESAQEPGGVS PAEAQRAWWV LEPPGARDVE AQLRRLQEER  
 TCKVCLDRAV SIVFVPCGHL VCAECAPGLQ LCPICRAPVR SRVRTFLS

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## 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](#)

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