9051 Mira Mesa Blvd, #910094
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Tel: 760-390-3989

BIRC7 Human

Baculoviral IAP Repeat-Containing 7 Human Recombinant
RCP0220

Product Overview

Name	BIRC7 Human
Description	
Baculoviral IAP Repeat-Containing 7 Human Recombinant	
Accession (Primary)	Q96CA5
Synonyms	
Baculoviral IAP repeat-containing protein 7, KIAP, MLIAP, RNF50, ML-IAP, LIVIN, Kidney inhibitor of apoptosis protein, Melanoma inhibitor of apoptosis protein, RING finger protein 50, BIRC7.	
Introduction	
BIRC7 is a part of the inhibitor of apoptosis protein (IAP) family and contains a single copy of a baculovirus IAP repeat (BIR) as well as a RING-type zinc finger domain. The BIR domain is necessary for inhibitory activity & cooperates with caspases, while the RING finger domain sometimes increases anti-apoptotic activity but doesn't inhibit apoptosis by itself. 2 transcript variants encoding diverse isoforms have been found for this gene. The 2 isoforms have dissimilar antiapoptotic characteristics, with isoform a protecting cells from apoptosis induced by staurosporine and isoform b defending cells from apoptosis. BIRC7 has direct contact with several caspases together with caspase-3, caspase-7, & caspase –9. BIRC7 inhibits the activation of caspase-9 induced by Apaf-1, cytochrome c, and dATP.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
BIRC7 protein solution (1mg/ml) containing 20mM Tris pH-8, 1mM DTT, 0.1M NaCl, 2mM EDTA and 20% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGPKDSAKCL HRGPQPSHWA AGDGPTQERC GPRSLGSPVL GLDTCRAWDH	

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VDGQILGQLR PLTEEEEEEG AGATLSRGPA FPGMGSEELRLASFYDWPLT AEVPPELLAA AGFFHTGHQD KVRCFFCYGG LQSWKRGDDP WTEHAKWFPS CQFLLRSKGR DFVHSVQETH SQLLGSWDPW EEPEDAAPVA PSVPASGYPE LPTPRREVQS ESAQEPGGVS PAEAQRAWWV LEPPGARDVE AQLRRLQEER TCKVCLDRAV SIVFVPCGHL VCAECAPGLQ LCPICRAPVR SRVRTFLS.

Precautions

BIRC7 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q96CA5)