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BIRC7 Human, (1-280 a.a.)

Baculoviral IAP Repeat-Containing 7 (1-280 a.a.) Human Recombinant
RCP0221

Product Overview

Name	BIRC7 Human, (1-280 a.a.)

Description

Baculoviral IAP Repeat-Containing 7 (1-280 a.a.) 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 induced by etoposide. 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 clear solution.

Formulation

BIRC7 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 40% glycerol, 300mM NaCl and 1mM EDTA.

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.

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Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGSH MGPKDS AKCLHRGPQP SHWAAGDGPT QERCGPRSLG SPVLGLDTCR AWDHVDGQIL GQLRPLTEEE EEEGAGATLS RGPAFPGMGS EELRLASFYD WPLTAEVPPE LLAAAGFFHT GHQDKVRCFF CYGGLQSWKR GDDPWTEHAK WFPSCQFLLR SKGRDFVHSV QETHSQLLGS WDPWEEPEDA APVAPSVPAS GYPELPTPRR EVQSESAQEP GARDVEAQLR RLQEERTCKV CLDRAVSIVF VPCGHLVCAE CAPGLQLCPI CRAPVRSRVR TFLS.

Precautions

BIRC7 Human, (1-280 a.a.) is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q96CA5)