

[Go to Product page](#)

Datasheet for ABIN1691881 Survivin Protein (AA 1-142)

Overview

Quantity:	50 µg
Target:	Survivin (BIRC5)
Protein Characteristics:	AA 1-142
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Baculoviral IAP Repeat-Containing Protein 5/BIRC5/Survivin
Sequence:	MGAPTLPPAW QPFLKDHRIS TFKNWPFLG CACTPERMAE AGFIHCPTEN EPDLAQCFFC FKELEGWEPD DDPIEEHKKH SSGCAFLSVK KQFEELTLGE FLKLDREERAK NKIAKETNNK KKEFEETAKK VRRRAIEQLAA MD
Characteristics:	Recombinant Human Baculoviral IAP Repeat-Containing Protein 5/BIRC5 is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Asp142) of Human BIRC5.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	Survivin (BIRC5)
---------	------------------

Target Details

Alternative Name:	BIRC5 (BIRC5 Products)
Background:	<p>Baculoviral IAP Repeat-Containing Protein 5 (BIRC5) belongs to the IAP family. BIRC5 exists as a homodimer in the apo state and as a monomer in the CPC-bound state. BIRC5 contains one BIR repeat and is expressed only in fetal kidney and liver, and to lesser extent, lung and brain.</p> <p>BIRC5 functions as a multitasking protein that has dual roles in promoting cell proliferation and preventing apoptosis. BIRC5 is also a component of a chromosome passage protein complex (CPC), which is essential for chromosome alignment and segregation during mitosis and cytokinesis. BIRC5 acts as an important regulator of the localization of this complex.</p> <p>Alternative Names: Baculoviral IAP Repeat-Containing Protein 5, Apoptosis Inhibitor 4, Apoptosis Inhibitor Survivin, BIRC5, API4, IAP4</p>
Molecular Weight:	20.4 kDa
UniProt:	O15392
Pathways:	Apoptosis , Cell Division Cycle , Nuclear Hormone Receptor Binding

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 0.1M NaCl, pH 7.5.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months