

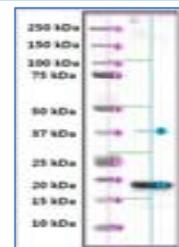
DATA SHEET

Product Information

Product Name	: Recombinant Human Survivin (rhSVV)
Synonyms	: Baculoviral IAP repeat-containing protein 5 (BIRC5), Apoptosis inhibitor 4 (API4)
Description	: Survivin is a member of the inhibitor of apoptosis (IAP) family. The survivin protein functions to inhibit caspase activation, thereby leading to negative regulation of apoptosis or <i>programmed cell death</i> . This has been shown by disruption of survivin induction pathways leading to increase in apoptosis and decrease in tumour growth. The survivin protein is expressed highly in most human tumours and fetal tissue, but is completely absent in terminally differentiated cells. These data suggest survivin might provide a new target for cancer therapy that would discriminate between transformed and normal cells. Survivin expression is also highly regulated by the cell cycle and is only expressed in the G2-M phase. It is known that survivin localizes to the mitotic spindle by interaction with tubulin during mitosis and may play a contributing role in regulating mitosis. The molecular mechanisms of survivin regulation are still not well understood, but regulation of survivin seems to be linked to the <i>p53</i> protein. It also is a direct target gene of the Wnt pathway and is upregulated by beta-catenin. (Ref. From Wikipedia)
NCBI Accession No.	: NM_001168.2
Amino acid sequence	: MGAPTLPPAWQPFLLKDHRISTFKNWPFLGCACTPERMAEAGFIHCPTENEPDLAQCFCC FKELEGWEPDDDDPIEEHKKHSSGCAFLSVKKQFEELTLGFEFLKLDREKAKNKIAKETNNK KKEFEETAEKVRRRAIEQLAAMDLEHHHHHH
Molecular Mass	: 17.42 kDa
Protein Tags	: Polyhistidine
Source	: <i>E. coli</i> .
Cat. No.	: A-BC03
Storage	: Should be at ≤ -70 °C as undiluted aliquots of handy size. Avoid repeated freezing and thawing.

Quality Control

Test items	Specifications
Appearance	: Clear, colorless liquid
Purity	: Greater than 95 % by SDS-PAGE
Specificity	: Using Western blot, detection
Concentration	: Determined by Bradford method
Endotoxin	: Less than 1.0 EU/ μ g as determined by the LAL method
Formulation	: 40 mM Tris-acetate, 1 mM EDTA, 5% glycerol (pH 7.5~8.5)
Stability	: Stable for up to 24 months at -70 °C.
Sterility	: Sterilized through a 0.2 μ m membrane filter and packaged aseptically. Culture for 2 weeks, no growth



15% SDS-PAGE(3ug)

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