

## Survivin, human recombinant

<b>CATALOG #:</b>	4160-10	10 µg
	4160-50	50 µg
	4160-1000	1 mg
<b>LOT #:</b>	_____	
<b>SOURCE:</b>	<i>E. coli</i>	
<b>PURITY:</b>	>90 % as determined by SDS-PAGE	
<b>ENDOTOXIN:</b>	Less than 0.1 ng/µg of human Survivin	
<b>MOLECULAR WEIGHT:</b>	18.6 kDa	
<b>ACCESSION #:</b>	O15392, with two mutations (A128V and E129K) and an N-terminal His-tag	
<b>SEQUENCE:</b>	MGSSHHHHHSSGLVPRGSHMGAPTLPAAWQPFLKDH RISTFKNWPFLEGCCTPERMAEAGFIHCPTENEPDLAQCF FCFKELEGWEPDDDDPIEEHKKHSSGCAFLSVKKQFEELTLG EFLKLDREKAKNKIAKETNNKKKEFEETVKKVRRRAIEQLAAM D	
<b>FORM:</b>	Sterile filtered and lyophilized with no additives	
<b>RECONSTITUTION:</b>	Centrifuge the vial prior to opening. Reconstitute to a concentration of 0.1-1.0 mg/ml in PBS.	
<b>STORAGE CONDITIONS:</b>	Aliquot and Store at -80° C. Stable for 6-12 months. Avoid freeze/thaw cycles.	
<b>DESCRIPTION:</b>	Survivin, a member of the inhibitor of apoptosis (IAP) family, is also called baculoviral inhibitor of apoptosis repeat-containing 5 or BIRC5 and in humans is encoded by the <i>BIRC5</i> gene. The survivin protein functions to inhibit caspase activation, thereby leading to negative regulation of apoptosis. Disruption of survivin induction pathways leads to an increase in apoptosis and decrease in tumor growth. Survivin is highly expressed in most human tumors and fetal tissue, but is completely absent in terminally differentiated cells, making survivin an ideal target for studying cancer therapy.	

### RELATED PRODUCTS:

#### Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set

#### Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

#### Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

#### Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione Fluorometric & Colorimetric Assay Kits
- Nitric Oxide Fluorometric & Colorimetric Assay Kits

#### Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

#### Metabolism Assays

- Carbohydrate Assays
- Lipid Metabolism Assays
- Amino Acids Assays
- Inorganic Ions Assays
- Coenzymes & cofactors Assays
- Oxidative Stress Assays
- Serum Components Assays
- Intermediary Metabolism Assays

#### Monoclonal & Polyclonal Antibodies

#### Recombinant Cytokines & Growth Factors

**FOR RESEARCH USE ONLY! Not to be used on humans.**