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**Survivin, 1-142aa, Human, CaM-tagged, Recombinant, E.coli**

**Cat.NO.: TP04103**

3th Edition

**Synonyms:**BIRC5, Baculoviral IAP repeat-containing 5, API4, EPR-1, Baculoviral IAP repeat-containing protein 5 isoform 1, Survivin, Baculoviral IAP repeat-containing protein 5 isoform 1 API4, Apoptosis Inhibitor 4

**Description:**Survivin is a human gene that is part of the inhibitor of apoptosis family (IAP). The Survivin protein functions to inhibit caspase activation therefore leading to negative regulation of apoptosis or programmed cell death. Recombinant human Survivin fused to CaM-tag at N-terminus was expressed in E.coli and purified by conventional chromatography techniques.

**Form:**Liquid in 20mM Tris pH 7.5, 0.1M NaCl.

**Molecular Weight:**33 kDa (294 aa), confirmed by MALDI-TOF.

**Sequences:**

MADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMRSLGQNPTEAELQDMINEVDADGNGTIDFPEFLTMMARK  
MKD TDSEEEI REAFRVFDKDGNGYISAAELRHVMTNLGEKLTDEEVDEMIREADIDGGQVNYEEFVQMMTAKGS  
HMGAPTLPPAWQPFLKDHRISTFKNWPFLGCACTPERMAEAGFIHCPTENEPDLAQCFFCFKELEGWEPDDDDPI  
EEHKKHSSGCAFLSVKKQFEELTLGEFLKLDREKAKNKIAKETNNKKKEFEETAKKVRRAIEQLAAMD

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.