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32-3335: BIRC5 Recombinant Protein

Alternative Name : BIRC-5,Baculoviral IAP repeat-containing protein 5,API4,EPR-1,Apoptosis inhibitor survivin,Apoptosis inhibitor 4,BIRC5,IAP4,Survivin.

Description

Source : Escherichia Coli. Survivin Human Recombinant fused to a 152 a.a. N-terminal CaM-Tag produced in E.Coli is a single, non-glycosylated polypeptide chain containing 294 amino acids (1-142 a.a.) and having a molecular mass of 33 kDa. Survivin is part of the of the inhibitor of apoptosis (IAP) family, which encodes negative regulatory proteins that prevent apoptotic cell death. Members of the IAP family include multiple baculovirus IAP repeat (BIR) domains, but Survivin has only a single BIR domain. Survivin is an inhibitor of caspase activation therefore leading to negative regulation of apoptosis. BIRC5 is expressed in Merkel cell carcinoma.BIRC5 polymorphism causes survivin expression, thus contributing to the genetic susceptibility to lung cancer. BIRC5 expression in large cell lung cancer is substantially higher than in normal tissue cells. Survivin mRNA is up-regulated in tumors. Apoptotic response of infected intestinal epithelial cells is suppressed by C. parvum via upregulation of BIRC5, favoring parasite infection. Up-regulation of of Survivin is associated with breast carcinomas.BIRC5 increases the activity of an oncolytic adenovirus in the presence of low-dose radiotherapy. ER- breast cancer cells become dependent on Notch-survivin signaling for their maintenance, in vivo. Survivin mRNA positive cases are related with bladder tumour recurrence elevated expression of survivin might play an important role of development in nasal polyps.

Product Info

Amount :	25 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The BIRC5 solution contains 20mM Tris-HCl pH-7.5 & 0.1M NaCl.
Storage condition :	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.
Amino Acid :	MADQLTEEQI AEFKEAFSLF DKDGDGTITT KELGTVMRSL GQNPTEAELQ DMINEVDADG NGTIDFPEFL TMMARKMKDT DSEEEIREAF RVFDKDGNGY ISAAELRHVM TNLGEKLTDE EVDEMIREAD IDGDGQVNYE EFVQMMTAKG SHMGAPTLPP AWQPFLKDHR ISTFKNWPFL EGCACTPERM AEAGFIHCPT ENEPDLAQCF FCFKELEGWE PDDDPIEEHK KHSSGCAFLS VKKQFEELTL GEFLKLDRER AKNKIAKETN NKKKEFEETA KKVRRAIEQL AAMD.

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