

Baculoviral IAP Repeat-Containing 5 Recombinant Protein | BIRC5 recombinant protein

Recombinant Human Baculoviral IAP Repeat-Containing 5

CATALOG # AAA38625	HOST E Coli
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PRODUCT SYNONYMS

Baculoviral IAP Repeat-Containing 5; Recombinant Human Baculoviral IAP Repeat-Containing 5; BIRC5 Human; Baculoviral IAP Repeat-Containing 5 Human Recombinant; BIRC-5; Baculoviral IAP repeat-containing protein 5; API4; EPR-1; Apoptosis inhibitor survivin; Apoptosis inhibitor 4; BIRC5; IAP4; Survivin; BIRC5 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90.0% as determined by SDS-PAGE.
Form/Format	The BIRC5 solution contains 20mM Tris-HCl pH-7.5 & 0.1M NaCl. Sterile Filtered colorless solution.
Sequence	MADQLTEEQI AEFKEAFSLF DKDGDGTITT KELGTVMRSL GQNPTEAELQ DMINEVDADG NGTIDFPEFL TMMARKMKDT DSEEEIREAF RVFDKDGNGY ISAAELRHVM TNLGEKLTDE EVDEMIREAD IDGDGQVNYE EFVQMMTAKG SHMGAPTLPP AWQPFLKDHRI STFKNWPFL EGCACTPERM AEAGFIHCPT ENPDLAQCF FCFKELEGWE PDDDPIDEEHK KHSSGCAFLS VKKQFEELTL GEFLKLDREK AKNKIAKETN NKKKEFEETA KKVRRRAIEQL AAMD
Sequence Length	137
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree 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.

ADDITIONAL INFORMATION

Related Product Information for BIRC5 recombinant protein	Description: 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. Introduction: 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 <i>C. parvum</i> via upregulation of BIRC5, favoring parasite infection. Up-regulation 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 Categories/Family for BIRC5 recombinant protein	Recombinant & Natural Proteins; Recombinant Proteins; Baculoviral IAP Repeat-Containing

NCBI AND UNIPROT INFORMATION

NCBI GI #	59859880
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NCBI GeneID	332
NCBI Accession #	NP_001012270.1
NCBI GenBank Nucleotide #	NM_001012270.1
UniProt Accession #	O15392; Q2I3N8; Q4VGX0; Q53F61; Q5MGC6; Q6FHL2; Q75SP2; Q9P2W8; A2SUH6; B2R4R1
Molecular Weight	8,490 Da
NCBI Official Full Name	baculoviral IAP repeat-containing protein 5 isoform 2
NCBI Official Synonym Full Names	baculoviral IAP repeat containing 5
NCBI Official Symbol	BIRC5
NCBI Official Synonym Symbols	API4; EPR-1
NCBI Protein Information	baculoviral IAP repeat-containing protein 5; apoptosis inhibitor 4; apoptosis inhibitor survivin; survivin variant 3 alpha
UniProt Protein Name	Baculoviral IAP repeat-containing protein 5
UniProt Gene Name	BIRC5
UniProt Synonym Gene Names	API4; IAP4
UniProt Entry Name	BIRC5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/birc5-recombinant-protein-e-coli/38625>