

Recombinant Full Length Human BIRC5 Protein, His&TEV tagged

Cat. No. BIRC5-018HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full-length human BIRC5 cDNA (141 aa, Isoform-I) was constructed with codon optimization gene synthesis and expressed with a human alpha Fetal Protein N-terminal (AFPn) -His-TEV cleavage site Tag (217aa) fusion at its N-terminal. It was expressed in E. coli as inclusion bodies.
Species	Human
Source	E.coli
ProteinLength	1-142 aa
Tag	His&TEV
Form	Liquid
AA Sequence	MTLHRNEYGIASILDSYQCTAEISLADLATIFFAQFVQEATYKEVSKMVKDALTAIEKP TGDEQSSGCLLENQLPAFLEELCHEKEILEKYGHSDCCSQSEEGRHNCFLAHKKPTP ASIPLFQVPEPVTSCAEYEEDRETFMNKFIYEIARRHPFLYAPTILLWAARYDKIIPSCC KAENAVECFQTKAATVTKELRESSGGSHHHHHHGSENLYFQGGEGAPTLPPAWQP FLKDHRISTFKNWPFLGCACTPERMAEAGFIHCPTENEPDLAQCFCCFKELEGWE PDDDPIEEHKKHSSGCAFLSVKKQFEELTLGEFLKLDREKAKNIAKETNNKKKEFEE TAEKVRRAIEQLAAMD
Purity	> 90% by SDS-PAGE

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Applications	1. May be used for in vitro BIRC5 mediated apoptosis pathway regulation study for various cancer cells by intracellular delivery of this protein with protein delivery reagent such as ProFectin reagent kit. 2. May be used for mapping protein-protein interaction. 3. May be used as specific substrate protein for kinase, and ubiquitin (Sumo pathway) related enzyme functional screening assays. 4. May serve as auto-antibodies detection reagent, which will react with sera of some auto-immuno-diseases"s or cancer patients. 5. As Immunogen for specific antibody production.
Stability	Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.
Storage Buffer	Sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose and DTT.
Concentration	0.25 mg/mL
GENE INFORMATION	
Gene Name	BIRC5 baculoviral IAP repeat containing 5 [Homo sapiens (human)]
Official Symbol	BIRC5
Synonyms	BIRC5; baculoviral IAP repeat containing 5; API4, apoptosis inhibitor 4 , baculoviral IAP repeat containing 5; baculoviral IAP repeat-containing protein 5; EPR 1; survivin; survivin variant 3 alpha; apoptosis inhibitor 4; apoptosis inhibitor survivin; API4; EPR-1;
Gene ID	332

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mRNA Refseq	NM_001168
Protein Refseq	NP_001159
MIM	603352
UniProt ID	A0A0B4J1S3

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