

Recombinant Human BIRC5 293 Cell Lysate

Cat. No. BIRC5-8449HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for baculoviral IAP repeat-containing 5 (BIRC5), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	BIRC5 baculoviral IAP repeat containing 5 [Homo sapiens]
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
mRNA Refseq	NM_001012270
Protein Refseq	NP_001012270
MIM	603352
UniProt ID	O15392
Chromosome Location	17q25.3
Pathway	Apoptosis, organism-specific biosystem; Aurora A signaling, organism-specific biosystem; Aurora B signaling, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Colorectal cancer, organism-specific biosystem; Colorectal cancer, conserved biosystem;

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Function

Ran GTPase binding; chaperone binding; cobalt ion binding; cofactor binding; cysteine-type endopeptidase inhibitor activity; cysteine-type endopeptidase inhibitor activity involved in apoptotic process; enzyme binding; identical protein binding; metal ion binding; microtubule binding; microtubule binding; peptidase inhibitor activity; protein binding; protein heterodimerization activity; protein homodimerization activity; protein homodimerization activity; tubulin binding; zinc ion binding; zinc ion binding;

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