

Recombinant Human BIRC5 293 Cell Lysate

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

SPECIFICATION

Product Overview

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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 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

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cancer, organism-specific biosystem; Colorectal cancer, conserved biosystem;

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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